

F. R. Fosberg

Collection and Field Note Book

No. 2

(July 17, 1930 - Dec. 6, 1931)

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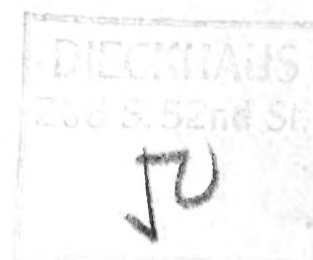
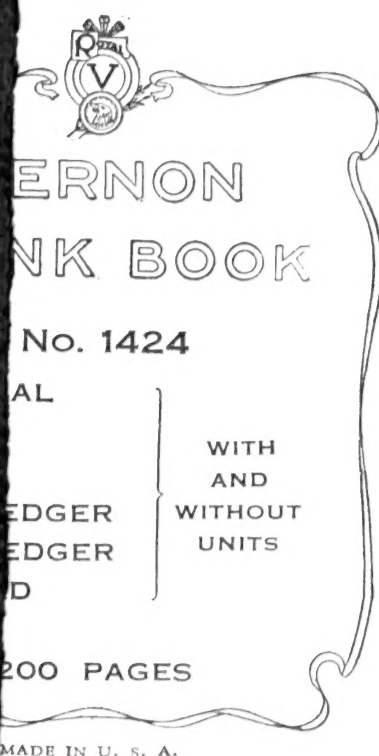
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F. R. Fosberg

Book # 2



53367 *Tidestromia suffruticosa*

68

69

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72 *Cleome* *lutea*?

73

74 *Cassia Covillei*

75

76

77

78

79 *Lycium*

80

81

82 *Euphorbia*

83

84

85

86 *Eriogonum*

87

88

89

90 *Verbena*

91

92

93

94 *Eriogonum*

95

96

97 *Solanum elaeagnifolium*

98

99 *Solanum elaeagnifolium*

53400

7/29/30 Pyramid Peak, w. base

Donalana Co.

7/17/30 Hills near Coolidge Dam Graham Co. Ariz.

7/17/30 5 mi. w. Superior Jct. Pinal Co. "

7/17/30 " " " " " "

7/17/30 " " " " " "

" " " " " "

" " 3 mi. w. of Coolidge Dam Graham Co. "

" " " " " "

7/28/30 Mesquite " " "

" " " " " "

S3401

2 *Arundo donax*

3

4 *Haplopappus heterophyllus*

5

6 *Dalea glaberrima*

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10 *Acanthochiton Wrightii*

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24

25 *Chenopodium glaucum*

26

27 *Lepidium montanum* v. *elysoides*

28

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31

32

33

34 *Fallugia paradoxa*

9/1/30 San Miguel Dona Ana Co.

8/27/30 3 mi. s. Mesilla Park " " "

" " " " " " " "

8/27/30 2 mi. N. Mesquite " " "

8/20/30 1 mi. W. San Miguel " " "

8/29/30 3 mi. W. Pyramid Peak " " "

8/29/30 3 mi. W. Pyramid Peak " " "

53435

36 *Agave*

37

38 *Mammillaria microcarpa*39 *Astragalus parvulus*

40

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42

43 *Mirabilis multiflorum*

44

45 *Clematis ligusticifolia*

46

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51 *Suaeda suffrutescens*

52

53

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59 *Flourensia trinervia*

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62 *Boerhaavia Wrightii*

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New Mexico - Arizona
(Don Ana Co.)

7/17/30 Superior Grade, Pinal Mts. Pinal Co. Ariz.

7/17/30 Coolidge Dam

Graham Co. Ariz.

8/14/30 2 mi. S. La Mesa

Don Ana Co.

8/14/30 1 mi. S. Old Mesilla

" " "

8/14/30 " " " " " "

" " "

8/1/30 Mesquite

" " "

" " " " " "

8/29/30 3 mi W. Pyramid Peak

" " "

53469

70

71 ~~Dalea~~ Dalea formosa

72

73

74

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76 ~~Platanus~~ Stephanomeria pauciflora Aster hebecladus n. mesquite

77

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95 Aristida glauca

96 Muhlenbergia Porteri

97

98 Trifis californica

99

53500 Pectis papposa

- " -1 Croton neomexicanus "

2

53476 a Aster hebecladus n. mesquite, D.O.G. 9/3/30

8/29/30 2 mi. W. Pyramid Peak Dona Ana Co.

8/29/30 3 mi. W. Pyramid Peak Dona Ana Co.

8/22/30 E. Pyramid Peak " " "

" " " " " " "

" " " " " " "

" " " " " " "

" " " " " " "

53503

4

5 *Mentzelia multiflora*

6

7

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11 *Desmanthus illinoensis*

12

13

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15 *Panicum obtusum*

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17

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8/22/30 E. Pyramid Peak

Dona Ana Co.

9/3/30 Mesquite

" " "

"

"

" " "

53537

38

39

40 *Gilia longiflora*

41

42

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53 *Melampodium leucanthum*

54

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56 *Scleropogon brevifolius*

57

58

59 *Perezia Wrightii*60 *Verbesina encelioides* v. *spauriculata*61 *Solanum rostratum*

62

63 *Bidens vulgata*64 *Strophostyles helvola*

65

66

67

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69

70 *Salix amygdaloides*

9/2/30 S. of S.E. spur Pyramid Peak Range Dona Ana Co.

8/22/30 E. Pyramid Peak

Dona Ana Co.

"

"

"

"

9/4/30

"

" lower w. slope

"

9/1/30

Mesquite

"

"

"

"

"

2 Mi. N. San Miguel

"

"

"

"

"

Mesquite

"

- 53571 *Panicum barbipulvinatum*
72 *Sitilis multicaulis*
73
74 *Allenrolfea occidentalis*
75
76 *Verbesina encelioides* v. *exauriculata*
77 *Portulaca lanceolata*
78 *Atriplex argentea* v. *expansa*
79
80
81
82
83
84
85 *Sphaeralcea angustifolia* ssp. *lobata*
86
87 *Gaura podocarpa*
88
89 *Solidago canadensis* v. *gilvoharensis*
90
91
92
93
94
95 *Zinnia grandiflora*
96
97 *Croton neomexicanus*
98
99
53600
1
2 *Hoffmanseggia densiflora*
3
4

- | | | |
|---------|---------------------------------|--------------|
| 9/11/30 | Mesquite, E. Bank Rio Grande R. | Rosa Rosa Co |
| 8/9/30 | " | " |
| " | " | " |
| 7/26/30 | 4 mi. N. Mesquite | " |
| " | " | " |
| 8/14/30 | 2 mi. S. La Mesa | " |
| 8/14/30 | 2 mi. S. La Mesa | " |
| " | " | " |
| " | " E. Oltor | " |
| " | 6 mi. W. Mesilla | " |
| " | 3 mi. W. Mesilla Dam | " |

53605

6

7

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15 *Euphorbia serpens*16 *Palactis asteroides*17 *Atriplex canescens*18 *Baileya multiradiata*

19

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8/7/30 mesquite

" "

8/4/30 2 mi. e. Vado

8/4/30 Flats SW. Pyramid Peak

Roma Ana Co.

" " "

" " "

" " "

S 36 39

40

41

42 *Lycium Torreyi*

43

44 *Cassia Bauhinoides*

45

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52 *Atriplex argentea* subsp. *expansa*

53

54

55 *Nama hispida*

56

57 *Maurandya Wislizeni*

58

59

60 *Wislizenia refracta*61 *Datura quercifolia*

62

63 *Phaseolus heterophyllus* v. *rotundifolia*

64

65

66

67 *Stachys coccinea*

68

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72

8/13/30 Vado

Bernal Co.

" 2 mi. E. Vado

" " "

8/7/30 Mesquite

" " "

8/13/30 2 mi. E. Vado

" " "

9/3/30 2 mi. N. San Miguel

" " "

9/4/30 Vado

" " "

9/11/30 Mesquite

9/9/30 Can. S. end Organ mts

" " "

" " " " " "

" " " " " "

S 3707

8 *Croton fructiculosus*

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25

Selloa glutinosa

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Asclepias galiooides

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9/9/30 Can. S. end Organ Mts.

Dona Ana Co.

" W. of S. end Organ Mts.

" " "

7/26/30 4 mi. N. Mesquite

" " "

53741 *Senecio longilobus*

8/1/30 SW Pyramid Peak

Donna Anna Co.

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63

64 *Atriplex canescens*

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74 *Dryas Berlandieri*

8/13/30 Vado

8/16/30 S.W. Pyramid Peak

53775 *Gutierrezia sarothrae*

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82

83 *Neurospora campora*

84

85 *Euphorbia flagelliformis*

86

87

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53800

1

2

3

4

Eurotia lanata

5

Andropogon saccharoides

6

7

8

8/16/30 Pyramid Peak

Dona Ana Co.

8/18/30 2 Mi. N.W. San Miguel

8/21/30 Pyramid Peak

53809 *Lippia Wrightii*10 *Ptelea angustifolia*

11

12

13 *Rhus choriophylla*

14

15

16

17 *Portulacium incanum*

18

19

20

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22

23

24

25

26

27

28

29

30

31 *Kochia americana*

32

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41. *Physalis macrophysa*

42

8/21/30 Pyramid Peak

Dona Ana Co.

"

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8/18/30 2 mi. N.W. San Miguel

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8/7/30. mesquite

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..

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8/14/30 2 mi. s. La Mesa

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53843

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*Chrysopsis Balandieri**Dalea scoparia**Cyperus speciosus**Corispermum nitidum**Pectis papposa**Oenothera (Anogra) ruicincta* v. *gypsophila*

8/18/30 2 mi. N.W. San Miguel

Dona Ana Co.

" " " S.W. " "

8/20/30 1 mi. W San Miguel

" " " " " "

" " " " " "

" " " " " "

53877

78

79 *Dalea glaberrima*

80

81

82

83

84

85

86 *Bahia bitemata*

87

88

89

90

91

92

93

94

95 *Coldenia canescens*

96

97

98 *Kallstroemia grandiflora*

99

53900

1

2 *Sphaeralcea pedata*

3

4

5

6

7 *Mentzelia multiflora*8 *Trianthema portulacastrum*9 *Lippia Wrightii*10 *Ptelea angustifolia*New Mexico - Texas
(Donna Ana Co.)

8/20/30 1 mi. W. San Miguel

Donna Ana Co.

8/20/30 1 mi. W. S. Miguel

Donna Ana Co.

8/5/30 El Paso

El Paso Co.

Texas

8/5/30

8/5/30 El Paso

El Paso Co.

Texas

8/21/30 Pyramid Peak, n.e. slope near top Donna Ana Co.

53911

12

13 *Rhus choriophylla*

14

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16

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18

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20 *Cassia Lindheimeriana*

21

22

23

24

25

26 *Scirpus paludosus*

27

28 *Garrya Wrightii*

29

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37 *Phoradendron flavescens* var. ~~obtusum~~ *pubescens*

38

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New Mexico
(Donna Ana Co.)

Texas

35

8/21/30 Pyramid Peak, w. slope

Donna Ana Co.

8/5/30 El Paso,

El Paso Co.

Texas

9/14/30 Mesquite

Donna Ana Co.

9/11/30 Pinos Blanca, S. end Organ Mts.

" - "

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" " " " " " " " " "

S 39 45'

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53979

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81

82 *Limonium commune* S.F. Gray var. *Californicum* (Gray) Greene

83

84

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54000

1 *Arctostaphylos pungens*

2

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Calif - Ariz.

7/10/30 Anaheim Landing, Los Angeles Co.

9/17/30 Bisbee, Mule Mts. Cochise Co. Ariz.

54013

14

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28 *Artemisia filifolia*

29

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31

32

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9/10/30 6 mi. w. La Mesa

Dono Ana Co.

54047

48

49

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51

52 *Melampodium leucanthum*

53

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9/10/30 5 mi. W. La Mesa

Donalua Co.

54081

82

83

84 *Oenothera runcinata* var. *typica*

85 *Senecio Riddellii*

86

87

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54000

1

2

3

4 *Aster exilis*

5 *Verbena bracteosa*

6 *Polygonum lapathifolium*

7

8 *Eclipta alba*

9 *Baccharis emoryi*

10 *Baccharis Douglasii*

11 *Baccharis pilularis*

12 *Solidago occidentalis*

13 *Aster bernardinus*

14

9/10/30 La Mesa

9/10/30 La Mesa

Dona Ana Co.

Dona Ana Co.

10/13/30 Gardena, Nigger lough, L.A. Co. Cal.

" " " " " " " "

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" " " " " " " "

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54/15

16

17

18 *Helianthus annuus*19 *Plantago major*20 *Artemisia biennis*21 *Sueda californica*

22

23 *Arthrocnemum subterminale*24 *Haplopappus venetus* subsp. ?

25

26

27 *Salicornia depressa*

28

29

30 *Cuscuta salina*31 *Atriplex decumbens*

32

33

34

35

36

37 *Haplopappus venetus* subsp. ?

38

39 *Eriogonum gracile*

40

41

42

43 *Eriogonum wrightii* var. *taxifolium*

44

45 *Haplopappus pinifolius*

46

47 *Gutierrezia sarothrae*48 *Lolidago californica*

10/18/30 Gardena

L. A. Co.

10/18/1930 Gardena, Migger blough, L. A. Co. Cal.

10/25/30 3 mi. n. Oceanside San Diego Co. "

" " " " " " " " " " " "

11/25/30 Oceanside

10/25/30 5 mi. s. Oceanside, San Diego Co. Cal.

" " " " " " " " " " "

10/25/30 Pine Valley

10/25/30 " "

10/25/30 Pine Valley San Diego Co. Cal.

54/149 *Artemisia tridentata*

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68 *Polygonum lapathifolium*

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77 *Polygonum punctatum*78 *Hydrocotyle umbellata*79 *Haplopappus venetus* ~~ssp.~~ *vernonioides*80 *Aster exilis*81 *Aster bernardinus*82 *Solidago californica*

10/20/30 Pine Valley

San Diego Co. Cal.

10/26/30 Coches G., 2 mi. w. Bostonia, San Diego Co.

11/11/30 Templeton, s. of Puente L.A. Co.

11/11/30 Templeton, s. of Puente L.A. Co.

11/11/30 Templeton, s. Puente L.A. Co. Calif.

"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"

54183 *Baccharis Emoryi*

84

85

86

87 *Loroglum halepense*

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89 *Polygonum punctatum*

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94 *Ambrosia psilostachya*

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98 *Atriplex semibaccata*

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54200

1 *Haplopappus venetus* var. *veronioides*

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14 *Gnaphalium bicolor*

15

16 *Bidens pilosa*

11/11/30 Templeton, s. Puente, L. A. Co. Cal.

11/17/30 3 mi. s.e. Chino San Bern. Co.

11/17/30 3 mi. s.e. Chino San Bern. Co.

" " " " " " " "

" 2 mi. s. " " " " "

11/17/30 2 mi. s. Chino San Bern. Co. Cal

11/23/30 Portuguese Bend L. A. Co. "

2/12/30 Mint Canyon San Gab. Mts. " "

3/1/31 Topanga Can, 2 1/2 mi. below Wildwood " "

" " " " " " " "

54217

18 *Alnus rhombifolia*

19

20

21

22 *Ceanothus cuneatus*

23

24

25 *Gilia californica*26 *Lathyrus laetiflorus*

27

28

29 *Ceanothus divaricatus*

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38 *Rhamnus crocea* v. *pinifolia*

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3/1/31 Topanga Can. 2 1/2 mi. below Wildwood, L. A. Co.

3/1/31 Topanga Can. 2 1/2 mi. below Wildwood, L. A. Co.

3/1/31 Topanga Can. 1/2 mi. below Wildwood L. A. Co.

3/1/31 Topanga Can. 1 1/2 mi. below Wildwood, Sta. Monica Mts. L. A. Co.

3/18/31 Hamilton Can. Santa Catalina Is. San Luis Co.

54251

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*Tropidocarpum gracile**Baeria chrysostoma**Gilia bigelovii**Croocarpus betuloides* var. *multiflorus**Chenopodium californicum*det.
P. A. M.

7/15/31 Grapevine

Kern Co.

3/18/31

Hamilton Conn. Isla Catalina Is.

L. A. Co.

54255 ^{Xanthi var.} Solanum Wallacei
86 Rhus integrifolia
87 Echinocyathus macrocarpa
88
89 Sambucus glauca coccinea
90 Encelia californica
91 Salvia melifera
92 Castilleja foliolosa
93 Mirabilis californica laevis
94 Lotus argophyllus v. ornithopus
95
96
97
98
99
54800 Symphoricarpos albus v. mollis
1 Rhus diversiloba
2
3 Lotus scoparius var. dendroideus
4 Stipa lepida
5 Muhlenbergia microsperma
6 Festuca megalura
7 Melica imperfecta
8 ~~Holcus sorghum~~ Sorghum halapense Pers.
9 Thysanocarpus laciniatus
10 Poa scabrella
11 Galium aparine L.
12 Solanum Douglasii
13 Tillaea erecta
14
15 Senecio ~~microanthus~~ typicus
16
17
18

- 3
 54319 *Geranium carolinianum*
 20 *Bowlesia virgata*
 21
 22
 23
 24 *Gnaphalium bicolor*
 25
 26 *Ceanothus arboreus*
 27 *Salix lasiophylla*
 28
 29 *Amsinckia spectabilis*
 30 *Baccharis viminea*
 31
 32 *Spergularia marina* (L.)
 33 ~~*Nemophila*~~ *racemosa*
 34 *Sanicula laciniata*
 35 *Convolvulus occidentalis* v. *Cyclostegius*
 36
 37
 38 *Gnaphalium chilense* v. *confertifolium*
 39 *Candelia microcarpa*
 40
 41 *Alchemilla ~~arvensis~~ cuneifolia*
 42
 43 *Poa scabrella*
 44
 45 ~~*Pholipstoma*~~ *racemosum*
 46 *Nemophila racemosa* white form
 47 *Hesperocnide tenella*
 48 *Ranunculus hederifolius*
 49 *Parietaria ~~debilis~~ floridana*
 50 *Cryptantha Clevelandi* v. *florosa*
 51 *Plagiobothrys catalinensis*
 52

3/20/31 Hamilton Can. Sta Catalina Is. L.A. Co.

" " " " " " " "

3/22/31 " " " " " " " "

3/23/31 " " " " " " " "

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" " " " " " " "

" Descanso Can. " " " " " "

" Hamilton Can. " " " " " "

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3/24/31 " " " " " " " "

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54853

54 *Galium angustifolium*

55

56

57

58 *Quercus dumosa*

59

60 *Plantago hookeriana* var. *californica*61 *Dodecatheon Clevelandi*62 *Castilleja parviflora* v. *Douglasii*

63

64

65 *Gilia millefoliata*66 *Filago californica*67 *Trifolium tridentatum*68 *Vicia eximia*69 *Brodiaea capitata*

70

71 *Muhlenbergia microsperma*

72

73 *Lathyrus strictus*74 *Lupinus truncatus*

75

76 *Bacria chrysostoma*77 *Lupinus micranthus*78 ~~*Spergularia maritima*~~79 *Plagiobothrys catalinensis*

80

81

82

83 *Plantago hookeriana* var. *californica*

84

85

86 *Lotus Americanus*

3/24/31 Hamilton Can. Santa Catalina Is. S.A. Co.

3/25/31

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3/26/31

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7/11/31

Cape Can. Sta. Catalina Is. S.A. Co.

543³87

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*Astragalus nigrescens**Lotus strigosus**Lotus hamatus**Muhlenbergia microsperma**Atriplex semibaccata**Eriophyllum confertifolium**Domeris arborea**Plantago hookeriana* var. *californica*54400 *Penstemon cordifolius**Pectocarya linearis**Lotus hamatus**Lotus strigosus**Plantago insularis* v. *typica*10 *Baeria chrysostoma*12 *Ellisia chrysanthemifolia*13 *Lupinus concinnus* v. *Agardhianus*14 *Lupinus succulentus*16 *Senecio Lyoni*18 *Gilium catalinense*19 *Microseris linearifolia*20 *Coreopsis gigantea*

3/26/31 above St. Catherine Hotel, Sta. Cal. I. L.A. Co.

3/26/31 above St. Catherine Hotel, Sta. Cal. I. L.A. Co.

3/26/31 above St. Catherine Hotel, Sta. Catalina I. L.A. Co.

" Sea Bluffs W. Hamilton Can. " " " " "

3/27/31

3/27/31

3/27/31

Pebble Beach Rd.

S4#21

- 22 *Lotus saliciginosus*
 23 *Malacothrix saxatilis*
 24
 25
 26
 27 *Madia dissitiflora*
 28 *Aspiastrum angustifolium*
 29 *Mimulus puniceus*
 30 *Melica imperfecta*
 31 *Astragalus trichopodus* v. *capillipes*
 32 *Phacelia biapida*
 33
 34 *Mimulus puniceus*
 35 *Claytonia perfoliata*
 36 *Sanicula Menziesii*
 37
 38 *Eschscholzia californica*
 39
 40 *Cirsium*
 41
 42 *Galium angustifolium*
 43
 44
 45
 46 *Prunus Lyoni*
 47
 48 *Ceanothus arbores*
 49 *Gnaphalium californica*
 50 *Adenostoma fasciculatum*
 51 *Mimulus puniceus*
 52
 53 *Orthocarpus purpurascens*
 54

3/31/31 Avalon

Sta. Cat. I. L. G. Co.

"

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"

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3/31/31

Avalon

3/31/31

Avalon

Sta. Catalina I.

L. G. Co.

"

div. bet. Hamilton + Descanso Can. Sta. Cat. I.

4/1/31

3/31/31

4/1/31

Hamilton Can.

"

"

Avalon

4/1/31

Avalon

4/2/31

Hamilton Can.

"

Divide bet. Hamilton + Descanso Can.

"

Group Frost

"

"

Hamilton Can.

"

div. bet. " " + Descanso Can.

- 34#55 *Viola pedunculata*
56 *Calochortus catalinae*
57 *Cirsium occidentale*
58
59
60
61 *Polygonum ~~amissimum~~ ^{argyroleon} Stand. ~~det.~~ ^{det. Brunchdo}*
62
63 *Pedicularis Emoryi*
64 *Lotus caliginosus*
65
66 *Spergularia macrotheca, v. scariosa*
67
68
69
70
71
72
73
74 *Phalaris canariensis*
75 *Distichlis stricta v. laxa*
76 *Pholurus incurvus*
77 *Hordeum nodosum*
78 *Spergularia marina*
79 *Pluchea sericea*
80 *Malscothrus sapatilis*
81
82
83
84 *Bromus marginatus*
85 *Ribes viburnifolium*
86 *Claytonia perfoliata*
87 *Hesperocnide tenella*
88

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|--|--|--|--|--|--|--|--|--|
| | | | | | | | | |
| | | | | | | | | |
- 4/2/31 Divide bet. Hamilton & Descanso Can. Sta Catalina I. L.G.C.

" " " " " " " "

" Descanso Can " "

4/3/31 Pebble Beach Sta Catalina Is. L.G.Co.

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4/4/31 Cherry Can. " " " "

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- 54 #89 *Apiastrum angustifolium*
90
91 *Microseris lindleyi*
92 *Cryptantha clelandii* var. *florosa*
93 *Bromus hordeaceus*
94 *Festuca pacifica*
95 *Habenaria senalaschensis*
96
97 *Mimulus puniceus*
98 ~~*Epilobium*~~ *Triophyllum nevadense*
99

54500

- 1 *Bromus laevipes*
- 2 *Echeveria virens*
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13 *Sorghum halepense*
- 14
- 15
- 16
- 17
- 18 *Lonicera hispidula* var. *vasillans*
- 19
- 20 *Scrophularia* ~~*californica*~~ ^{*villosa*} var. *sutata*
- 21
- 22 *Crocosoma californicum*

- | | | | |
|---------|-----------------------------|-------------------|----------|
| 4/4/31 | Cherry Can. | Santa Catalina I. | L.A. Co. |
| " | Ocean Bluffs near " | " | " |
| 4/4/31 | Cherry Can. | Santa Catalina I. | L.A. Co. |
| 4/7/31 | Hamilton Beach | " | " |
| 4/7/31 | Hamilton Can. | " | " |
| " | " | Beach | " |
| " | " | Can | " |
| " | " | Beach | " |
| " | " | " | " |
| 4/22/31 | Avalon V., Chicken Johnnies | " | " |
| 4/8/31 | Avalon V. | " | " |
| 4/8/31 | Avalon V. | " | " |

54523

24

25

26

27 *Festuca pacifica*28 *Muhia dissitiflora*

29

30

31 *Daucus praillii*

32

33

34

35

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41

42

43

44 *Laucais microcarpa*

45

46 *Cananthus lasiophyllus*

47

48 *Plantago hookeriana* var. *californicum*49 *Godetia epilobioides*

50

51

52

53

54 *Bloomeria crocea*

55

56

54546a *Festuca pacifica* Avalon Can. 4/10/31.

4/10/31

Hamilton Can.

4/10/31

Hamilton Can. Sta. Catalina Is.

L.G. Co.

"

Avalon

"

Avalon Can.

"

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"

- 5 4557 *Harpagonella palmeri*
 58 *Cryptantha clelandii* var. *florosa*
 59 *Ceanothus megacarpus* v. *insularis*
 60 *Atriplex coulteri*
 61
 62 *Adenostoma fasciculatum*
 63
 64
 65 *Polygonum angyrocoleon* Steud.
 66
 67
 68 *Habenaria unalaschensis*
 69
 70
 71
 72
 73 *Daucus pusillus*
 74
 75 *Phyllospadix Torreyi*
 76 *Happlopappus venetus* subsp. *furfuraceus*
 77
 78
 79 *Isomeris arborea*
 80 *Dendromecon ~~rigida~~ var. Harfordii* Kell.
 81 *Lithophragma affinis*
 82
 83
 84 *Rubus vitifolius*
 85 *Vitis quinquifida*
 86 *Opalus Wrightii californica*
 87
 88 *Torilis nodosa*
 89
 90

54591

S 9599a *Eucholtzia elegans*
Pebble Beach 4/13/71

92 *Pholystoma*
~~*Nemophila aurita*~~

93

94 *Caulanthus lasiophyllus*

95 *Phalaris canariensis*

96

97 *Eriodictyon trashianae*

98 *Phacelia distans*

99

54700

- 1
- 2 *Satureja Douglasii*
- 3
- 4 *Populus trichocarpa*
- 5 *Lycium californicum*
- 6
- 7 *Haplopappus ^{venetus} purpureus*
- 8 *Rumex salicifolius*
- 9
- 10 *Atriplex californica*
- 11
- 12 *Heliotropium curassavicum*
- 13 *Achillea millefolium* v. *lanulosa*
- 14 *Centaurium venustum*
- 15
- 16
- 17 *Apiastrum angustifolium*
- 18 *Amblyopappus pusillus*
- 19 *Melica imperfecta*
- 20
- 21
- 22
- 23
- 24

S 4608	<i>Bromus cernuatus</i>	Middle Ranch Can.	Sta. Oct. 20. S. L. G.	4/14/31
10	<i>Elymus glaucus</i>	"	"	"
16	<i>Cercalis microcarpa</i>	Eagle but Mid. Ranch Can.	"	4/15/31
17	<i>Vicia epigea</i>	"	"	"
18	<i>Astragalus leucopis</i>	"	"	"
19	<i>Juncus balticus</i>	"	"	"
26	<i>Hordeum psallium</i>	"	"	4/17/31
71	<i>Plantago cornopis</i>	"	"	"
79	<i>Bromus glabratus</i>	Hamilton Can.	"	4/18/31
84	<i>Eriogonum penduliflorum</i>	Upper Middle Ranch Can.	"	4/19/31
80	<i>Centaurium venustum</i>	Hols. Swains Can. near S. L. Blackjack	"	4/23/31
07	<i>Muhlenbergia microcarpa</i>	Eagles nest	"	4/16/31
77	<i>Gastrophysalis ventricosa</i>	"	"	4/22/31
85	<i>Astragalus lentiginos</i>	Heads. Swains Can.	"	4/23/31

- 54608 *Bromus carinatus* Middle Ranch Can. Sta. Col. Is. L.G. Co. 4/14/31
- 10 *Elymus glaucus* " " " " " " " " " "
- 16 *Carex microcarpa* Eagle Nest Mid. Ranch Can. " " " " " " " " 1/5/
- 17 *Vicia exigua* " " " " " " " " " "
- 18 *Astragalus leucopsis* " " " " " " " " " "
- 19 *Juncus balticus* " " " " " " " " " "
- 66 *Hordium pusillum* " " " " " " " " " " 1/2/
- 71 *Plantago coronopus* " " " " " " " " " "
- 79 *Cornus glabrata* Hamilton Can. " " " " " " " " 1/4/
- 94 *Eriogonum penduliflorum* Upper Middle Ranch Can. " " " " " " " " 1/3/
- 30 *Centaurium venustum* Heales. Swains Can. n.e. sl. Blackjack " " " " " " " " 4/23/31
- 07 *Muhlenbergia microspora* Eagle Nest " " " " " " " " " "
- 77 *Gastrophysalis ventricosum* " " " " " " " " " " 4/16/31
- 35 *Arctostaphylos tomentosa* Heales. Swains Can. n.e. sl. Blackjack M. " " " " " " " " 4/22/31
- 4/23/31

- 54689 *Plantago hookeriana* v. *californica* Head of Swains Can., foot of Black Jack, S.C.I. 4/23/31
- 4659 " " Bulrush Ridge " 4/16/31
- 4657 " *crucifera* " " " " "
- 4629 " *hookeriana* " Eagles Nest, M.A. Can. " 4/15/31
- 4696 *Godetia quadrivalens* Hay Press " 4/23/31
- 4687 *Orobancha bulbosa* Head of Swains Can., foot of Black Jack " "
- 4699 *Salvia columbariae* Cape Can. " "
- 4606 ~~*Verbena*~~
Verbena prostrata Eagles Nest M.A.C. " "
- 4619 *Juncus* " " " " "
- 4638 *Lepidium nitidum* " " " " "
- 4690 *Calochortus splendens* s.e. sl. Black Jack Mt. " "
- 4648 *Atriplex coulteri* Bulrush Ridge " 4/16/31
- 4656 *Plagiobothrys catalinensis* Eagles Nest " 4/16/31
- 4695 *Pectocarya linearis* Bulrush Ridge " 4/16/31

S 4666	<i>Hordeum pusillum</i>	Eagles nest	S. C. J.	4/24/31
S 4672	<i>Melica imperfecta</i>	" "	" "	" "
S 4613	<i>Galium aparine</i>	" "	" "	4/15/31

S4591

S4592 *Eulalia elegans*
Pebble Beach
4/13/31

- 92 *Pholystoma*
~~*Homophila aurita*~~
93
94 *Caulanthus lasiophyllus*
95 *Phalaris canariensis*
96
97 *Eriodictyon trashianae*
98 *Phacelia distans*
99

S4700

- 1
2 *Satureja Douglasii*
3
4 *Populus trichocarpa*
5 *Lycium californicum*
6
7 *Haplopappus* ^{venustus ssp.} *furfuraceus*
8 *Rumex salicifolius*
9
10 *Atriplex californica*
11
12 *Heliotropium curassavicum*
13 *Achillea millefolium* v. *lanulosa*
14 *Centaurium venustum*
15
16
17 *Apiastrum angustifolium*
18 *Amblyopappus pusillus*
19 *Melica imperfecta*
20
21
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24

4/13/31 Pebble Beach Canyon, rt. fr. Sta. Catalina Is. L.A.C.

" " " " 4 " " " " " "

4/23/31 below Swains Can., n.e. of Black Jack " " " " " "

4/13/31 Pebble Beach " " " " " "

4/28/31 Eagle's Nest, Middle Ranch Can. Sta. Catalina Is. L.A.C.

" " " " " " " " " " " "

4/29/31 " " " " " " " " " " " "

" Cottonwood Can. " " " " " "

" Cottonwood Can. " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" Bet. " & Middle Ranch Can " " " " " "

" " " " " " " " " " " "

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54725

26 *Distichlis spicata*

27

28 *Festuca reflexa*29 *Agrostis diegoensis*

30

31 *Rumex salicifolia*32 *Mesembryanthemum nodiflorum*33 *Opuntia prolifera*

34

35

36

37

38

39

40 *Rubus vitifolius*41 *Verbena prostrata*

42

43 *Rosa californica*

44

45 *Convolvulus arvensis*

46

47 *Rumex conglomerata*48 *Ruppia nasturtium-aquaticum*49 *Lupinus excubitus* var. *Hallii*50 *Zostera marina*51 *Juncus bufonius*

52

53

54 *Ruppia maritima*

55

56 *Salix laevigata*

57

58

54749a Phacelia Lyoni and bridge below Eagle's nest,
Midd. R. Can. Sta. Cal. I.
5/4/31

4/29/31 mouth Cottonwood Can. Sta. Cal. I. L.G.C.

4/29/31 Bet. Cottonwood & Middle Ranch Can. Sta. Catalina Is. L.G.C.

" " " " " " " " " " " "

" " " " " " " " " " " "

" 1/2 mi. below Eagle's Nest. Middle Ranch Can. " " " " " "

" mouth of Cottonwood Can. " " " " " "

5/2/31 Middle Ranch Dam " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

5/2/31 Middle Ranch Dam. " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

5/12/31 Decades Can. nr. Coach Rd. " " " " " "

5/4/31 mouth of Middle Ranch Can. " " " " " "

5/4/31 Middle Ranch Can. Mid Bridge below Eagle's Nest " " " " " "

" " " " " " " " " " " "

" mouth of Middle Ranch Can. " " " " " "

54759

60

61

62 *Madia epigua*63 *Photinia arbutifolia* v. *macrocarpa*

64

65

66 *Harpagomella palmeri*

67

68 *Spergularia mauna*

69

70 *Malvastrum fasciculatum* v. *laxiflorum*

71

72 *Lonicera hispidula* var. *vacillans*

73

74

75

76

77

78

79

80 ~~*Cressa cretica*~~

81

82 *Centaurium venustum*

83

84

85

86

87

88

89

90 *Eriodictyon trashianae*

91

92

5/4/31

Bullrush Canyon Sta. Catalina Is. S. G. Co.

"

"

"

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"

mouth of Middle Ranch Can.

5/5/31

Middle Ranch Dam, Middle Ranch Cany. Sta. Cat. Is. " " "

"

Bullrush Can.

"

"

Little

"

Bullrush Can. Sta. Cat. Is. S. G. Co.

5/6/31

Cape Can. near head, Sta. Cat. Is.

"

54793 *Salix laevigata* s. *araguipis*

94

95 *Eriodictyon trasleriae*

96

97

98 *Cercocarpus betuloides*

99

54800

1

2

3 *Lathyrus strictus*

4

5

6 *Lathyrus strictus*

7

8 *Salvia apiana*

9

10

11

12

13

14 *Layia platyglossa*

15 *Hemizonia fasciculata*

16

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19 *Calochortus splendens*

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5/6/31 Cape Can.

S.C.I. L.G. Co.

5/6/31 Cape Can. (middle part) Sta. Cat. I. L. G. Co.

5/6/31 Cape Canyon, Sta. Catalina Is.

L.G. Co.

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" " " " " " " "

- 84 827 *Vitis girdiana*
 28
 29
 30
 31 *Elymus condensatus*
 32
 33
 34 *Pteridium aquilinum* v. *pubescens*
 35
 36
 37
 38 *Hemizonia clementina*
 39
 40
 41
 42
 43 *Verbena prostrata*
 44 *Calochortus splendens*
 45 *Mimulus floribunda*
 46 *Mimulus cardinalis*
 47
 48 *Lupinus exarbutus*
 49 *Lupinus exarbutus* var. *Hallii*
 50
 51 *Lonicera hispidula* var. *vacillans*
 52 *Calochortus splendens*
 53
 54
 55 *Haplopappus venetus vernonioides*
 56
 57 *Erigeron foliosus*
 58
 59
 60

- 5/7/31 Cottonwood Can. Sta. Cat. I. L. G. Co.

 5/7/31 Cottonwood Can. st. fl. Sta. Cat. I. L. G. Co.

 5/7/31 Bet. Middle Ranch & Cottonwood Can. Sta. Catalina I. L. G. Co.
 .. Sweetwater Can. ..
 .. Cottonwood Can. ..

 5/7/31 st. fl. Cottonwood Can. ..
 5/12/31 Descans Can. near Coach Rd. Sta. Cat. I. L. G. Co. Cal.
 .. Hay Press ..
 .. Renton Pass ..
 .. Renton Pass ..
 5/11/31 Hamilton Can. ..

- 54861 *Juncus oreganus*
 62
 63
 64
 65 *Calochortus splendens*
 66
 67 *Habenaria unalaschensis*
 68
 69
 70
 71 *Pistichlis stricta* v. *laxa*
 72
 73
 74
 75
 76 *Cirsium occidentale*
 77 *Phyllospadix Torreyi*
 78
 79 *Franeria bipinnatifida*
 80 *Cressa trussillensis*
 81 *Abronia maritima*
 82 *Lycium californicum*
 83
 84
 85 *Frankenia grandiflora*
 86 *Arthrocnemum subterminale*
 87 *Samolus clementina*
 88 *Arthrocnemum subterminale*
 89
 90 *Echeveria albida*
 91 *Mesembryanthemum crystallinum*
 92 *Opuntia littoralis*
 93 *Suaeda californica*
 94 *Atriplex leucophylla*

5/13/31 Eagles Nest, Middle Ranch Can. Sta Catalina I. L.A. Co

5/14/31 Middle R. Can. " " " "

5/14/31 Midd. R.C. near mth. Cape Can. " " " "

5/14/31 Middle Ranch Can m. Cape Can. " " " "

4/14/31 Little Harbor " " " "

5/16/31 " " " " " "

5/16/31 Little Harbor, Sta. Cat. I. Los Angeles Co.

" " " " " "

Cottonwood Can " " " "

5/17/31 Little Harbor " " " "

" " " " " "

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5/18/31 " " " " " "

" " " " " "

5/18/31 Little Harbor, Sta. Cat. I. Los Angeles Co.

54895 *Jaumea carnosa*

96

97

98

54900 *Juncus acutus* v. *sphaerocarpus*

1

2

3

4

5 *Perezia microcephala*6 *Baccharis Douglasii*

7

8

9

10 *Mimulus cardinalis*

11

12

13 *Suaeda californica* v. *pubescens*

14

15

16 *Dichondra repens*17 *Chrysanthe staticeoides*18 *Lychnothamnus floribundus*19 *Arctostaphylos tomentosa*

20

21

22

23

24

25 *Atriplex decumbens*

26

27 *Vitis girdiana* *Monardochloa littoralis*

28

5/18/31 Little Harbor Sta. Cat. I.

L. G. Co.

5/18/31 Little Harbor Sta. Cat. I.

L. G. Co.

5/18/31 Cottonwood Can. Sta. Cat. I.

L. G. Co.

"

"

Sweetwater Can.

5/20/31 Catalina Harbor

5/19/31 Head of Swains Can. base of Black Jack

5/19/31 Head of Swains Can. base of Black Jack Mt. Sta. Cat. I.

5/19/31 Head of Swains Can. foot of Black Jack Mt. Sta. Cat. I. L. G. Co.

5/20/31 Ballast Pt. Catalina H. Sta. Cat. I.

L. G. Co.

5/20/31 Catalina H. Cottonwood Can. above Dam

54929

30 *Hemizonia fasciculata*

31

32 *Galium nuttallii*33 *Dendromecon rigida*, v. *Hayfordii*

34

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43

44 *Calochortus splendens*

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55 *Escholtzia californica*56 *Arctostaphylos bicolor*57 *Photinia arbutifolia* v. *macrocarpa*

58

59

60

61

62

5/21/31 Parson's Landing Sta. Cat 2. L. G. Co.

5/21/31 Bot. Cherry V. + Howlands Ldg. Sta. Cat. 1.
 Bot. Cherry V. + Howlands Landing Sta. Cat. 2. L. G. Co.

5/21/31 Johnsons Landing

5/21/31 Howlands Landing
 5/21/31 Bot. Cherry V. + " " " " " "
 " Cherry V. " " " " " "

54963

64 *Brachypodium distachyum*

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66 *Lolium multiflorum*

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69 *Spergularia macrotheca*

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71 *Chenopodium botrys*

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85 *Monardella Douglasii*86 *Clarkia elegans*

87

88 *Arctostaphylos mariposa*

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91 *Elymus triticoides*

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95 *Malvastrum fremontii*

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5/22/31 Lathmus H. Sta. Cut. Is. L.G. Co.

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5/24/31 La Crescenta " "

6/7/31 Mono Bay

San Luis Obispo Co.

6/7/31 Pinnacles, San Benito Co. Cal.

6/1/31 El Portal, Merced R. Mariposa Co. "

6/1/31 El Portal, Merced River, Mariposa Co. Cal.

5/18/31 Little H. Sta. Cut. Is. L.G. Co.

6/6/31 San Benito V. 10 mi. below San Benito, S. B. Co. Cal.

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*Boisdurallia densiflora**Oenothera californica* Wats.*Stillingia linearifolia*

6/6/31 Pinnacles Nat. Mon. San Benito Co. Cal.

6/14/31 Lower Cajon Wash, San Bernardino Co. Cal.

550 31

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36 *Philadelphus Lewisii* var. *californicus*

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55 *Godetia dudleyana*

56 *Godetia virginea*

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62 *Collinsia tinctoria*

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6/1/31 El Portal, Merced River, Mariposa Co.

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6/1/31 Yosemite Rd. 6 mi. above Mariposa, Mariposa Co.

550 65

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67 *Godetia amoena*

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72 *Lupinus albifrons*

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82 *Penstemon antirrhinoides*

83

84 *Gutierrezia californica*

85

86 *Eriogonum fasciculatum* var.

87

88

89 *Artemisia dracunculoides* ssp. *glauca* ?90 *Trichostema lanatum*91 *Oxalis ~~wrightii~~ pilosa*

92

93

94 *Romneya Coulteri*

95

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97 *Oxalis wrightii*

98

55094a *Malvastrum fasciculatum* var. *laevis*
6/4/31 Lower Santiago Can. Orange Co.

6/4/31 Bet. Santa Cruz + Big Basin, Sta. Cruz Mts. S. C. Co.

6/4/31 Bet. Santa Cruz + Big Basin, Sta. Cruz Mts. Sta. Cruz Co.

6/21/31 Lower Santiago Can. Orange Co.

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" Silverado Can. Santa Ana Mts. Orange Co.

" Lower Santiago Can. " "

" Silverado Can. " "

- 55099 *Chaenactis glabriuscula* var. *lanosa*
 55100 *Gilia virgata*
 1 *Malvastrum fasciculatum* v. *laxiflorum*
 2
 3 *Eriodictyon trichocalyx*
 4
 5 ~~Mimulus~~ *Mimulus longiflorus*
 6
 7 *Pinus contorta* var. *munayana*
 8
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 10 *Mimulus fremontii*
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 12
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 14
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 16 *Gilia virgata*
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 19
 20 *Gilia densifolia*
 21 *Eriodictyon trichocalyx*
 22
 23
 24 *Atriplex bracteosa*
 25 *Atriplex argentea* ssp. *expansa*
 26 *Salvia leucophylla*
 27
 28 *Mimulus longiflorus*
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- 6/21/31 Silverado Can. Santa Ana Mts. Orange Co.
 6/14/31 Lower Cajon Wash San Bern. Co.
 6/21/31 Silverado Can. Santa Ana Mts. Orange Co.
 6/23/31 San Antonio Falls, Mt. San Antonio San Bern. Co.
 6/23/31 Menbers Flats, Mt. San Antonio, San Bern. Co.
 6/23/31 Mt. San Antonio, ^{summit,} San Bernardino Co.
 6/14/31 Lower Cajon Wash " "
 " " " " " "
 6/14/31 " " " " " "
 6/14/31 Lower Cajon Wash San Bern. Co.
 6/19/31 Chino " " " "
 " " " " " "
 " Carbon Can. Puente Hills, Orange Co.
 " " " " " "

55133

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35 *Phacelia ramosissima*

36

37 *Silene laciniata*

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42 *Convolvulus occidentalis* v. *angustissimus*

43

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45 *Solidago californica*46 *Lythrum californicum*47 *Penstemon antirrhinoides*

48

49 *Penstemon heterophyllus*

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51 *Datisca glomerata*52 *Juncus oxymeris*

53

54 *Heliotropium curassavicum*

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57 *Salvia leucophylla*

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6/21/38 Silverado Can. Santa Ana Mts. Orange Co.

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6/19/38 Carbon Can. Puente Hills, Orange Co.

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70 *Atriplex leucophylla*71 *Alroia maritima*

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74 *Ambrosia psilostachya*75 *Baccharis douglasii*76 *Anemopsis californicus*

77

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79 *Luaeda*80 *Cuscuta californica*81 *Potentilla pacifica*82 *Oenothera cheiranthifolia*

83

84 *Alroia alba* var. *platyphylla*85 *Larpinus arboreus*

86

87 *Mimulus longiflorus*88 *Godetia*89 *Phacelia hispida*90 *Malacothrix saxatilis*91 *Malacothrix saxatilis* var. *tennifolia*92 *Zauschneria californica*93 *Eriogonum cinereum*

94

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98 *Elymus*

99

55200

6/28/31 Mandalay Beach, Ventura Co.

6/28/31 Mandalay Beach, Ventura Co.

6/28/31 Mandalay Beach, Ventura Co.

6/28/31 Mandalay Beach, Ventura Co.

6/28/31 Mandalay Beach, Ventura Co.

6/28/31 ~~Mandalay~~ Conejo Pass, Ventura Co.

6/28/31 Conejo Pass, Ventura Co.

(no. on label 55151)

6/6/31 Pinnacles

San Benito Co. Cal.

55201 *Rubus*

2

3 *Whipplea modesta*

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5 *Madia radioides*6 *Ranunculus repens*?

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11 *Juncus tenuis* var. *congestus*

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34 *Godetia quadrivulvata*

4/4/31 near Glenwood, Sta. Cruz Mts. S. C. Co.

6/5/31 Big Basin " "

6/4/31 near Glenwood, Sta. Cruz Mts. S. C. Co.

6/4/31 near Glenwood, Santa Cruz Mts. Santa Cruz Co.

6/5/31 Big Basin, Santa Cruz Mts. Santa Cruz Co.

6/6/31 Pinnacles Nat. Mon. San Benito Co. Cal.

55285

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Osmorhiza nuda

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6/6/31 Pinnacles Nat. Mon. San Benito Co. Cal.
 6/4/31 near Glenwood Sta Cruz Mts. Santa Cruz Co.

55269

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83 *Clintonia Andrewsiana*

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89 *Vicia gigantea*

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55300

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6/4/31 Near Glenwood, Santa Cruz Mts., Sta. Cruz Co., Cal.

6/4/31 Road bet. Santa Cruz & Big Basin, near Summit, Sta. Cruz Co.

55303

4 *Eriophyllum* ^{*confertiflorum* var. *discoideum*} ~~*dissecte*~~5 *Caulanthus amplexicaulis*6 *Zauschneria latifolia* var. *viscosa*

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13 *Allium burlewii*14 *Allium parishii*

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20 *Draba conugata*

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24 *Penstemon palmeri* var. *grinnellii*25 *Boschniakia tuberosa*26 *Mimulus fremontii*27 *Arabis*28 *Lewisia rediviva*29 *Velaea vestita*

30

31

32

33 *Glycyrrhiza lepidota*34 *Falicornia ambigua*

35

36 *Arthrocnemum subterminale*

6/23/31 Menhens Flat, Mt. San Antonio, San Bern. Co.

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6/23/31 " " " " " " " " " " " "

6/23/31 Mt. San Antonio, trail from dis. " " " " " "

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6/23/31 Mt. San Antonio, trail from div., San Bern. Co.

6-23-31 Menhens Flats, Mt. San Antonio, San Bern. Co.

" " " " " " " " " " " "

6-23-31 trail from divide, Mt. San Antonio, San Bern. Co.

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7/5/31 Mugu Laguna, Ventura Co.

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55371 *Juncus oxymeris*

72

73 *Rhus laurina*74 *Quercus dumosa*75 *Corethrogyne filaginifolia* v. *virgata*

76

77

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79 *Eriogonum giganteum*

80

81 *Artemisia Douglasiana*

82

83 *Eremocarpus setigerus*84 *Artemisia dracunculoides*

85

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87

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93 *Stephanomeria virgata*

94

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98 *Arctostaphylos tomentosa*99 *Helianthemum scoparium*

55400

1 *Centaurea solstitialis*

2

3 *Verbena frutescens*4 *Gnaphalium palustre*

7/10/31 Eagles Nest.

7/10/31 Eagles Nest, Middle Ranch Can. Sta. Cat. D. L.G. Co.

" " " " " " " " " " " "

7/11/31 Mouth Cape Can. " " " " " " " " " " " "

" Middle Ranch, Middle R. Can. " " " " " " " " " " " "

" " Mouth of Cape Can. " " " " " " " " " " " "

" Middle of " " " " " " " " " " " "

" " " " " " " " " " " "

7/13/31 Avalon " "

7/14/31 Hay Press " " " " " "

7/14/31 Hay Press " " " " " "

" Middle Ranch Can. " " " " " " " " " " " "

7/14/31 Echo Lake " " " " " " " " " " " "

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S 5405

- 6
- 7 *Eriogonum giganteum*
- 8
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- 10
- 11
- 12 *Verbena prostrata*
- 13 *Gilia giliodes*
- 14
- 15 *Galvesia speciosa*
- 16
- 17
- 18 *Eriogonum filaginifolium* v. *virgata*
- 19 *Zauschneria cana*
- 20
- 21 *Haplopappus venetus* ssp. *furfuraceus*
- 22
- 23 *Atriplex argentea*, subsp. *expansa*
- 24
- 25
- 26 *Salicornia*
- 27 *Malvastrum fasciculatum*
- 28
- 29
- 30
- 31
- 32
- 33 *Quercus dumosa*
- 34
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- 7/14/31 Whites Landing Sta. Cat. I. L.A.C.
- 7/14/31 Hamilton Can. Sta. Cat. I. L.A.C.
- " " " " " " " " " "
- 7/15/31 Isthmus " " " " " " " "
- 7/15/31 Isthmus " " " " " " " "
- 7/15/31 Isthmus " " " " " " " "
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- 7/16/31 Gallagher's Can. " " " " " " " "
- 7/14/31 Gallagher's Can. off. " " " " " " " "

55439

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48 *Umbellularia californica*49 *Lonicera subspicata* var. *johnstoni*50 *Artemisia dracunculoides* var. *typica*51 *Tetradymia canescens*

52

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54

55 *Gutierrezia sarothrae* ^{*chrysothamnus*} *viscidiflorus* det S.F.D.

56

57

58 *Penstemon bridgesii*

59

60 *Eriogonum wrightii* var. *subscapozum*

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65 *Lupinus superbis* var. *bernardinus*

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55449A *Monardella lindleyi* Gray, var. *stricta*
8/12/31 Green Can., Bear V. San Bern. Mts., San Bern Co.

8/12/31 Buckhorn Tr., Islip, Williamson div., San Gab. Mts., L.A. Co.

8/10/31 Crystal Lake, N. fls., San Gab. Can. " " " "

8/11/31 " " " " " " " "

" " " " " " " "

" Lower Pine Flats " " " "

" Crystal Lake " " " "

8/13/31 Islip Trail, s. slope Mt. Hawkins " " " "

8/ " Big Acre, Pine Flats " " " "

8/ " " " " " " " "

8/ 8/12/31 Pine Flats First Camp " " " "

8/13/31 " " " " " " " "

8/11/31 Lower " " " " " " " "

" " " " " " " "

" Crystal L. " " " "

8/12/31 Summit Mt. Islip " " " "

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55468 *Eriodictyon parryi*
 55485 *Ceratophyllum demersum*
 55487 *Lisymbium cunninghamii*
 55488 *Eriogonum molestum* v. *dauidsonii*
 55493 *Lupinus superbis* Heller v. *bernardinus*
 55499 *Polygonum lapathifolium*
 55440 *Cuscuta californica*
 55445 *Juncus orthophyllus* v. *paniculatus*
 55444 *Lolidago confinis*
 55447 *Eriogonum elongatum*
 55446 *Penstemon ternatus*
 55492 *Lotus eriophorus* var. *heermanni*
 55490 *Boerhaavia elata*
 55486 *Potamogeton americanus*
 55482 *Lilene parishii*

8/12/31 Buckhorn Tr. Islip. Williaman div. Tangab. Mt. L.C.C.
 8/10/31 Crystal Lake, 4. fls. Tangab. Can. " " "
 8/11/31 " " " " " " "
 " " " " " " "
 " Lower Pine Flats " " " "
 " Crystal Lake " " " "
 8/13/31 Islip Trail, s. slope Mt. Hawkins " " "
 " Big Cienega, Pine Flats " " "
 " " " " " " "
 8/12/31 Pine Flats First Camp " " "
 8/12/31 " " " " " " "
 8/11/31 Lower " " " " " "
 " " " " " " "
 " Crystal L. " " " "
 8/12/31 Summit Mt. Islip " " "

- S 5438 *Quercus chrysolepis* 8/13/31 Islip - Hawkins div. s. sl. Mt. Hawkins, L. A. Co.
 S 5448 *Umbellularia californica* 8/14/31 Pine Flats, San Gabriel Can. "
 S 5449 *Lonicera subspicata* var. *johnstonii* "
 S 5451 *Oxytheca parishii* 8/11/31 Islip Trail near Islip-Hawkins Div. "
 S 5457 *Castanopsis sempervirens* 8/12/31 summit, Mt. Islip "
 S 5459 *Chaenactis santolinoides* 8/12/31 " " "
 S 5460 *Eriogonum wrightii* var. *subcaespitum* 8/12/31 " " "
 S 5462 *Eriogonum nudum* v. *puberulum* 8/12/31 Buckhorn Trail, Islip-Williamson Divide "
 S 5465 *Eriogonum molestum* v. *dawsonii* " " " "
 S 5474 *Hieracium albiflorum* " " " "
 S 5491 *Castilleja miniata* 8/11/31 Lower Pine Flats, San Gabriel Can. "
 S 5493 *Equisetum hyemale* var. *robustum* " " " " "
 S 5494 *Alnus rhombifolia* " " " " "
 S 5495 *Ceanothus divaricatus* v. *eglandulosus* " " " " "
 S 5496 *Mimulus cardinalis* " " " " "
 S 5501 *Gnaphalium palustre* " Crystal Lake " " "
 S 5544 *Lotus oblongifolius* 8/13/31 Big Cienega, " " "
 S 5598 *Helene verecunda* v. *platyota* 8/11/31 Islip trail above Big Cienega " " "
 S 5622 *Quercus chrysolepis* 8/10/31 Crystal Lake " " "
 n. n. " " 8/10/31 Pine Flats " " "

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48 *Umbellularia californica*49 *Lonicera subspicata* var. *johnstoni*50 *Artemisia dracunculoides* var. *typica*51 *Tetradymia canescens*

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55 *Gutierrezia sarothrae* ^{*chrysothamnus*} ~~*viscidiflora*~~ det S.F.B.

56

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58 *Penstemon bridgesii*

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60 *Eriogonum wrightii* var. *subscapozum*

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65 *Lupinus superbis* var. *bernardinus*

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55449A *Monardella linoides* Gray. var. *stricta*
8/2/31 Green Can. Bear V. San Bern. Mts. San Bern. Co.

8/14/31 Pine Flats, San Gabriel Can. L.A. Co.

8/14/31 Pine Flats, San Gabriel Can. L.A. Co.

8/2/31 Green Can. Bear V. San Bern. Mts. San Bern. Co.

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8/12/31 Mt. Islip, summit, San Gabriel Mts. L.A. Co.

8/2/31 Green Can. Bear V. San Bern. Mts. S.B. Co.

55473

- Hieracium albidum
 8/12/31 Buckhorn Trail, Islip, Williamsville, L.A. Co.
 8/12/31 Deer, Big Rock Creek, L.A. Co.
- 74 ~~74~~ Clematis ligusticifolia
 75
 76 Stephanomeria exigua v. coronaria
 77
 78
 79 Eriogonum saxatile
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 82 Castilleja miniata
 83 Oxytheca parishii
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55500

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 2 Mimulus floribundus
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7/2/31 Green Can. ^{near} San Bern. Mts. San Bern. Co.

8/2/31

8/18/31 n. slope Mt. Islip, San Gabriel Mts. L.A. Co.

8/3/31 e. ridge Sugarloaf Mt. San Bern. Mts. L.B. Co.

8/12/31 Summit Mt. Islip, San Gabriel Mts. L.A. Co.

8/11/31 Crystal Lake, n. fls. San Gabriel Co. L.A. Co.

55567

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12 *Chrysothamnus nauseosus bernardinus*

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23 *Chenopodium album* var. *viride*

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27 *Juncus macrophyllus*

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35 *Rumex salicifolius*

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8/11/31 Islip Trail, s. sl. Mt. Hawkins, S. Gab. Mts. L. A. Co.

8/12/31 Buckhorn Trail, n. w. ridge Mt. Islip, San Gab. Mts. L. A. Co.

Cienega 1/2 mi. n. Windy Camp, n. sl. Mt. Islip.

8/13/31 Big Cienega, Pine Flats, n. fork San Gabriel Can. L. A. Co.

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Lotus oblongifolius

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8/13/31 Big Conega, Pine Flats, San Jac. Mts. L. A. Co.

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Juniperus obtusatus

det. F. J. H.

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55600

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07 *Quercus tomentella*

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8/12/31 Little Jimmy Spr., Windy Camp, Mt. Islip. L. A. Co.

1/16/31 Gallagher's Can. st. flk. Sta. Cat. D. L. A. Co.

- 55609 *Eriophyllum Nevinii*
 10
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 12
 13 *Phacelia ramosissima* v. *subsiniata*
 14
 15
 16 *Salsola kali* var. *tenuifolia*
 17
 18 *Eriogonum parvifolium*
 19 *Loethrogone filaginifolia* var. *virgata*
 20 *Epiphyllum oxypetalum*
 21
 22
 23
 24
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 26
 27 *Prycnantherum californicum*
 28 *Aquilegia truncata*
 29
 30 *Aster greatae*
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 32
 33
 34 *Helenium bigelovii*
 35
 36
 37 *Epilobium californicum*
 38 *Verbena prostrata*
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- 7/14/31 Avalon, Sta. Ent. I. L.A. Co.
 8/30/31 El Segundo L.A. Co.
 8/30/31 El Segundo L.A. Co.
 8/30/31 El Segundo L.A. Co.
 8/31/31 Los Angeles
 8/10/31 Lower Pine Flats
 8/10/31 Lower Pine Flats
 8/10/31 Lower Pine Flats
 8/10/31 Lower Pine Flats
 8/10/31 Lower Pine Flats, n. fl. San Gab. Can. L.A. Co.
 8/10/31 Crystal Lake, Pine Flats, San Gab. Can. L.A. Co.

55643

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51 *Erigeron foliosus*

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56 *Eriodictyon trichocalyx*

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61 *Velutaria parishii*

62

63 *Quercus agrifolia*64 *Potentilla cuneifolia*65 *Dodecatheum jeffreyi*

66

67

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70 *Senecio ionophyllus*

71

72 *Phoradendron flavescens* var. *villosum*73 *Quercus wislizeni* A. DC. var. *frutescens* Engelm.

74

75

76 *Pinus ponderosa*

8/12/31 near summit Mt. Islip, San Gab. Mts. L.A. Co.

8/11/31 Pine Flats, San Gabriel Can. n. fl. S. G. Mts. L.A. Co.

8/11/31 S. slope Mt. Hawkins, Islip. Hawkins Div. L.A. Co.

8/10/31 n. fl. San Gabriel Can. below Camp Coldbrook L.A. Co.

8/12/31 Little Jimmy Mts. Windy C. Mt. Islip

8/12/31 Little Jimmy Mts. Windy Camp, Mt. Islip, L.A. Co.

8/12/31 Summit Mt. Islip, San Gabriel Mts. L.A. Co.

8/14/31 Lower Pine Flats, San Gabriel Can. n. fl. L.A. Co.

8/12/31 Lower Pine Flats, San Gabriel Can. n. fl., L.A. Co. Cal.

8/3/31 Islip-Hawkins Divide, San Gab. Mts. L.A. Co. Cal.

summit 8/12/31

S 5677

78 *Batis maritima*

79

80

81 *Haplopappus palmeri* ssp. *pachylepis*82 *Corethrogyne filaginifolia* var. *virgata*

83

84 *Haplopappus venetus* ssp. *vernonioides*

85

86 *Chrysopsis villosa*

87

88

89 *Corethrogyne filaginifolia* var. *virgata*

90

91

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96 *Stephanomeria virgata*

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S 5700

01

02 *Galvesia juncea* var. *typica*

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04

05 *Haplopappus palmeri* ssp. *typicus*

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9.5698 *Stephanomeria exigua* var. *coronaria*

Los Angeles, L. A. Co. 9/7/31

S 5677

78 *Batis maritima*

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81 *Haplopappus palmeri* sp. *pachylepis*82 *Corethrogyne filaginifolia* var. *virgata*

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84 *Haplopappus venetus* sp. *vernonioides*

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86 *Chrysopsis villosa*

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89 *Corethrogyne filaginifolia* var. *virgata*

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96 *Stephanomeria virgata*

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S 5700

01

02 *Galvesia juncea* var. *typica*

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05 *Haplopappus palmeri* sp. *typicus*

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8/19/31 Newport Bay Orange Co.

9/16/31 Los Angeles, e. base Baldwin Hills, L.A. Co.

9/16/31 Los Angeles, e. base Baldwin Hills, L.A. Co.

9/16/31 Los Angeles, E. base Baldwin Hills, L.A. Co.

9/5/31 Desecano Bay, northern Baja Calif. Mex.

9/5/31 " " " " " "

9/6/31 Desecano Bay, Baja Calif. Mexico

9/6/31 Punta Banda, Todos Santos Bay, Baja Cal. Mex.

9/7/31 " " " " " "

S 5711

12 *Atriplex canescens* ssp. *typica*

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16 *Perityle emoryi*

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18 *Luaeda*19 *Atriplex lentiformis* ssp. *breweri*

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32 *Atriplex julacea*

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35 *Ceratophyllum demersum*36 *Atriplex canescens*37 *Baccharis glutinosa*

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40 *Baccharis sarothroides*

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9/5/31 Descanso Bay, northern Baja Calif. Mex.

9/20/31 Point Mugu

Ventura Co.

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9/6/31 Punta Banda, Todos Santos Bay, N. Baja Cal.

9/5/31 Descanso Bay, northern Baja Calif. Mex.

9/2/31 Playa Ensenada, Todos Santos Bay, Baja Cal.

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Can. 10 mi. n. Ensenada, n. Baja Calif. Mex.

S 5745 *Eriogonum Wrightii* var. *taxifolium*

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51 *Trichostema lanceolata*

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58 *Potamogeton pectinatus*

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68 *Aster exilis*

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72 *Iva hayesiana*73 *Ltemodia durantifolia*74 *Lamolus floumbundus*

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76 *Pluchea camphorata*

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9/8/31 can. 10 mi n. Ensenada, n. Baja Calif. Mex.

9/10/31 San Dieguito R., 2 mi. below Hodges Dam, S.D. Co.

9/10/31 San Dieguito R., 2 mi. below Hodges Dam, S.D. Co.

9/10/31 San Dieguito R., 2 mi. below Hodges Dam, S.D. Co.

9/10/31 San Dieguito R., 2 mi. below Hodges Dam, San Diego Co.

S 5779

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88 *Salicornia mucronata*

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97 *Salicornia depressa* (red form)

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99 *Salicornia depressa* (green form)S 5 800 *Stephanomeria exigua*

01

02 *Atriplex canescens*

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04

05 *Haplopappus berberidis*06 *Atriplex semibaccata*

07

08

09 *Lilene laciniata*

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11 *Coreopsis maritima*

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9/7/31 Punta Banda, Todos Santos Bay, N. Baja Calif. Mex.

9/9/31 Carlsbad by the Sea, San Diego Co. Calif.

9/9/31 Carlsbad by the Sea, San Diego Co. Calif.

8/15/31 South Coronado I., Baja Calif. Mex.

8/15/31 South Coronado I. Baja Calif. Mex.

8/15/31

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S 5713

14 *Encelia californica*

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33 *Euphorbia misera*

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8/15/31 South Coronado I., Baja Calif. Mex.

8/15/31 South Coronado I., n. Baja Calif. Mex.

S 5347 *Croton californicum* Pl. Muys, Ventura Co. 7/19/31

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R8

50 *Salix hindiana* v. *leucodendroides* Tell Co. bet Agoura & Calabasas51 *Quercus lobata* Agoura (Picture City) Ventura Co. 10/23/31

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58 *Eriogonum Wrightii* var. *subcapitatum* 8/3/31 Green Can., Sugarloaf Mt., S.B. Co.59 *Monardella linoides* var. *stricta* (same.)

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73 *Zauschneria latifolia* var. *macrocarpa* (same.)

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(end of S numbers, begin with 7000)

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07 *Mimulus nasutus* Green Can. Sugarloaf Pl. S.B. Co.

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09 *Trifolium involucreatum* Green Can. Sugarloaf Pl. S.B. Co. 8/3/31

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11 *Artemisia ludoviciana*12 ~~Green~~ *Gnaphalium palustre*

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23 *Atriplex lentifolia* breweri Sal. V. 10 mi. S. King City, 10/28/31 Monterey Co.24 *Baccharis pilularis* Salinas V. 10 mi. S. King City 10/28/31 Monterey Co.

25

26 *Eriogonum gracile* ? Salinas V. 10 mi. S. King City 10/28/31 Monterey Co.27 *Senecio douglasii*

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29 *Eriogonum bidentatum*?

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7034

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36 *Setaria lutescens* Turlock, Stan. Co. 10/24/31

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38 *Cyperus* Turlock, Stanislaus Co. 10/24/3139 *Digitaria sanguinalis*40 *Eragrostis diffusa*

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44 *Mollugo verticillata* Turlock, Stanislaus Co. 10/24/3145 *Solanum nigrum*

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54 *Salix lasiolepis* Frazier Mt. Park, Kern Co. 11/8/31

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58 *Atriplex confertifolia* Brewer's Mugu Lagoon, Ventura Co. 10/11/3159 *Chrysothamnus nauseosus* var. *occidentalis* Big Pines, Placer Co. 11/22/3160 *Chrysothamnus teretifolius* Big Rock Co. San G. Mts. S. Co. 11/22/3161 *Juniperus californicus* Big Rock Co., San Gab. Mts. S. Co. 11/22/3162 *Artemisia tridentata* var. *typica* Lone Pine Co., San Geronimo Mts. S. Co. 11/22/3163 *Eriodictyon lachnocalyx*64 *Chrysothamnus nauseosus* var. *ceriseus* Cajon Pass, W. Cajon Camp 11/24/3165 *Eriogonum elongatum* Camp Cajon, San B. Co. 11/22/3166 *Artemisia dracunculoides*67 *Senecio douglasii*

11/22/31

Co.

8/31

31

7185 *Elephantomeria virgata* Ridge Rt. near Reservoir Summit 11/7/31

- 7164 *Chara* Middle R. Can. S. C. I. 5/2/31
- 7146 *Heliotropium curassavicum* m. of
cottonwood Can. .. 4/29/31
- 7167 *Lavatera assurgentiflora* Bird Rock .. 5/22/31
- 7149 *Artemisia californica* Avalon, Pub. Util. Can. 12/10/31
- 7152 *Quercus macdonaldii* Pebble Beach Can. S. C. I. ..
- 7155 *Quercus tomentella* Gallagher Can. N. fl. .. 12/11/31
- 7156 *Artemisia californica* Pebble B. Can. .. 12/10/31
- 7159 *Photinia arbutifolia*
var. *macrocarpa* Gallagher, B. .. 12/11/31
- 8154 *Brodiaea jolonensis* Eastw. Hay Press .. 5/7/32
- 8167 *Calochortus catalinae* Avalon 5/6/32
- 7986 *Calochortus venustus* mouth of Matilija Can.,
Vent. Co.
Ojai Valley ~~to~~ 4/18/32
- 8283 *Calochortus splendens* Julian S. D. Co.
6/6/32

- 7295 *Eriodictyon crassifolium* Pt. Loma S.D.C. 8/16/31
- 7297 *Atriplex decumbens*
- 7293 *Salicornia ambigua* Newport B. Orange Co. 8/19/31
- 7214 *Artemisia vulgaris* Topanga Can.
ssp. *heterophylla* Santa Monica Mts. L.A. Co.
10/11/31
- 7212 *Stephanomeria cichoriacea*
- 7217 *Polygonum amphibium* L.? Sherwood L. Sta. Mon. Mts.
L.A. Co. 10/11/31
- 7218 *Eleocharis*
- 7219 *Polygonum acre*
- 7233 *Polygonum lapathifolium*
- 7232 *Paspalum distichum*
- 7230 *Chenopodium rubrum*
- 7229 *Petunia parviflora*
- 7228 *Solanum nigrum*
- 7227 *Artemisia biennis*
- 7226 *Cyperus*
- 7225 *Atriplex rosea*
- 7220 *Cyperus*
- 7222 *Echeveria* Point Loma, San Diego Co. 8/17/31
- 7224 *Lemna* Sherwood L. L.A. Co. 10/11/31
- 7234 *Euphorbia serpyllifolia*
- 7235 *Chara* Topanga Can. L.A. Co. 10/11/31
- 7182 *Senecio douglasii* Ridge Route near Tumble Inn
W. Sierra Madre Mts. L.A. Co.
11/7/31
- ~~7184~~
- 7134 *Artemisia tridentata* near Castaic, L.A. Co. 11/7/31
- 7185 *Stephanomeria virgata* Ridge Pt. near Reservoir
Summit 11/7/31

- 7192 *Senecio douglasii* Ridge Pt. near Tumble Inn L.A. Co. 11/7/31
- 7193 *Brickellia nevadensis*
- 7197 *Gutierrezia sarothrae*
- 7198 *Senecio douglasii*
- 7199
- 7201 *Brickellia californica* ~~La~~ Liebre Summit
- 7202 *Artemisia tridentata* Liebre Summit
- 7203 *Baccharis pilularis* Tumble Inn
- 7205 *Brickellia californica* Reservoir Summit
- 7181 *Artemisia tridentata* Frazier Mt. Park, Kern Co. 11/8/31
- 7187 *Chrysothamnus nauseosus*
- sp. occidentalis*
- 7189 *Zauschneria latifolia*
- var. johnstonii*
- 7190 *Quercus lobata*
- 7191 *Aster menziesii*
- 7196 *Brickellia californica*
- 7207 *Eriogonum deflexum*
- 7208 *Eriogonum gracile*
- 7209 *Chara*
- 7211 *Solidago confinis*
- 7117 *Ribes californicum*
- var. hesperium* mi. of Little Santa Anita Can. L.A. Co. 1/7/31
- 7111 *Quercus engelmannii* Arcadia L.A. Co. 1/7/31
- 7105 *Quercus engelmannii* x *agrifolia*? Sierra Madre
- 7291 *Eriogonum cinereum* San Pedro Hills .. 8/23/31
- 7290 *Atriplex microcarpa*
- 7289 *Haplopappus palmeri* Santa Ynez

7287

Bassia hyssopifolia Compton L.O.C. 8/19/317284 *Limonium commune* var. *californica*

Newport Bay, Orange Co. 8/19/31

7393 *Juncus effusus* L. Cuyamaca R. S.D.C. 8/19/317392 *Polygonum douglasii* " " "7389 *Quercus kelloggii* " " "7383 *Hymenopappus wrightii* " " "var. *undulatus*7385 *Corythogyne filaginifolia* " " "var. *brevicula*7366 *Madia elegans* " " "7377 *Potentilla norvegica* " " "var. *hirsuta*7379 *Wyethia ovata* " " "7380 *Grindelia camporum* " " "7373 *Limnoscilla aquatica* " " "7355 *Cercocarpus betuloides* " " "7356 ~~*Dieris*~~ *Eriogonum gracile* " " "

Descanso

8/17/31

7357 *Corythogyne filaginifolia* " " "var. *brevicula*7359 *Rhamnus crocea* var. *ilicifolia* " " "7351 *Malvastrum densiflorum* " " "var. *viscidum*

alpine

7354 *Lotus nuttallianus* " " "7348 *Veronica peregrina* " " "

Cuyamaca L.

7367 *Gutierrezia sarothrae* " " "

- 7365 *Amelanchier alnifolia* Cuyamaca L. D. G. 8/17/31
- 7364 *Ambrosia psilostachya* " " " "
- 7362 *Lactuca canadensis* " " " "
- 7375 *Polygonum lapathifolium* " " " "
- 7374 *Erythrum hyasopifolium* " " " "
- 7398 *Quercus chrysolepis* " " " 8/18/31
- 7350 *Quercus engelmannii* Descanso " 8/17/31
- 7349 *Euphorbia misera* Point Loma " 8/16/31
- 7324 *Stachys azureoides* Cuyamaca L. " 8/18/31
- 7320 *Biscduvaltia densiflora* " " " "
- 7318 *Eriogonum gracile* 5 mi. S. Julian " "
- 7317 " *wrightii* or *racifolium* " " " "
- 7314 *Cordylanthus rigidus* Alpine " 8/17/31
- 7316 *Eriogonum molestum* 5 mi. S. Julian " 8/19/31
- 7307 *Rosa californica* Alpine " 8/17/31
- 7306 *Helianthus californicus* " " " "
- var. *parishii* " " " "
- 7304 *Gutierrezia sarothrae* " " " "
- 7303 *Artemisia vulgaris* " " " "
- var. *heterophyllus* " " " "
- 7302 *Gnaphalium microcephalum* " " " "
- 7300 *Eriogonum gracile* " " " "
- 7299 *Corethrogyne filaginifolia* " " " "
- var. *virgata* Pt. Loma " 8/16/31
- 7298 *Hablotia venetus* var. *purpurascens* " " " "
- 7294 *Monanthochloa littoralis* Newport Bay Aug 6. 8/19/31

- 7130 *Plocamium pacificum* San Pedro R.A.G. 12/8/31
- 7145 *Ceramium codicola* " " " "
- 7125 *Gelidium cartilagineum* " " " "
- 7127 *Prionitis* sp. " " " "
- 7128 *Rhodymenia pacifica* " " " "
- 7124 *Largassum palmeri* Avalon Sta. Cat. D. " 12/10/31
- 7123 *Codium fragile* " " " "
- 7171 *Puccinia mesmeriana* Gallagher Can " 7/16/31
- 7132 *Cisenia arborea* Breakwater San Pedro 12/8/31
- 7147 *Elephanomeria eugua* Pebble Beach, S.C. D. " 12/10/31
- 7153 *Baccharis emoryi* " " " "
- 7157 *Artemisia californica* Avalon " "
- 7146 *Lavatera assurgentifolia* Pebble Beach " 12/20/31
- 7158 *Photinia arbutifolia*
var. *macrocarpa* Gallagher Beach " 12/11/31
- 7168 *Achillea millefolium* Avalon " 4/5/31
- 7279 *Largassum agardhianum* Point Vicente
(Palos Verdes Est. R.A.G. 11/10/31)
- 7281 *Hesperophycus harveyanus* " " " "
- 7276 *Plocamium californicum* " " " "
- 7272 *Pelvetia fastigiata* " " " "
- 7269 *Gigartina horrida* " " " "
- 7268 *Gigartina spinosa* " " " "
- 7265 *Gelidium cartilagineum* " " " "
- 7260 *Neurocarpus zosterioides* " " " "
- 7258 *Egregia laevigata* " " " "
- 7245 *Cisenia arborea* " " " "
- 7237 *Egregia laevigata* Palos Verdes Est. " 11/24/31
- 7405 *Atriplex decumbens* Alamitos B. " 7/7/30

- 7424 *Pellaea mucronata* Devils Garden, Riv. G. 1/1/32
- 7174 *alnus* Topanga Can. L. A. Co. 1/26/31
- 7135 *Umbellularia californica*
- 7135a *Crallina officinalis* San Pedro .. 12/8/31
- 7137 *Amphiroa orbigniana*
- 7192 *Crallina*
- 7286 *Kalifornia mucronata* Newport Bay Orange Co. 8/19/31
- 7395 *Lymphocarpus albus*
var. *mollis* Cuyamaca L. S. D. Co. 8/19/31
- 7331 *Mentha pulegium*
- 7332 *Lagophylla ramosissima*
- 7334 *Potamogeton natans*
- 7337 *Heliotropium curassavicum*
- 7338 *Eriogonum gracile* Hatfield Cr. above Ramona S. D. Co. ..
- 7339 *Gnaphalium microcephalum*
- 7347 *Epilobium californicum*
- 7325 *Juncus dubius* Cuyamaca L.
- 7326 *Helenium puberulum*
- 7327 *Lobelia cardinalis splendens*
- 7113 *Quercus engelmannii* m. of Little Sta. Anita Cal. S. D. Co.
Sierra Madre. 1/7/31
- 7122 *Artemisia californica* Sierra Madre, L. A. Co. 1/7/31
- 7107 *Quercus engelmannii* Arcadia
- 7109
- 7110 .. *agripolia* Sierra Madre .. 8/17/31
- 7116 *Heterotheca grandiflora* m. Little Sta. Anita Cal. Sierra Madre 1/7/31

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36 *Setaria lutescens* Turlock, Stan. Co. 10/24/31

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38 *Cyperus* Turlock, Stanislaus Co. 10/24/3139 *Digitaria sanguinalis*40 *Eragrostis diffusa*

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44 *Mollugo verticillata* Turlock, Stanislaus Co. 10/24/3145 *Solanum nigrum*

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54 *Halis lasiolepis* Frazier Mt. Park, Kern Co. 11/8/31

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58 *Atriplex lentiformis breweri* Mugu Lagoon, Ventura Co. 10/11/3159 *Chrysothamnus nauseosus* ssp. *occidentalis* Big Pines, Placer Co. 11/22/3160 *Chrysothamnus teretifolius* Big Rock Co. San G. Mts. L.G. Co. 11/22/3161 *Juniperus californicus* Big Rock Co., San Gab. Mts. L.G. Co. 11/22/3162 *Artemisia tridentata* ssp. *typica* Lone Pine Co., San Ant. Mts. L.G. Co. 11/22/3163 *Eriodictyon buchocalyx*64 *Chrysothamnus nauseosus* ssp. *canadensis* Camp Cajon, San Bern. Co. 11/22/3165 *Eriogonum elongatum* Camp Cajon, San Bern. Co. 11/22/3166 *Artemisia dracunculoides*67 *Senecio douglasii*7038 *Chrysopsis villosa* v. *fastigiata*, Camp Cajon, San Bern. Co. 11/22/3169 *Rhizopogon squaratum* Lytle Cr. Wash. S.B. Co. 11/22/3170 *Baccharis glutinosa* Lytle Creek Wash, S.B. Co. 11/22/3171 *Franseria acanthuifera* Lytle Creek Wash S.B. Co. 11/22/31det. S.F.B. 72 *Gutierrezia californica* ssp. *salicifolia*, Lytle Creek Wash, San Bern. Co. 11/22/31" " 73 *Gutierrezia californica* ssp. *salicifolia* 11/22/3174 *Senecio douglasii*75 *Croton californicus*

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80 *Quercus dumosa* - La Crescenta, L.G. Co. 11/29/3181 *Quercus agrifolia* - Arroyo Seco, Santa Monica Mts. L.G. Co. 12/6/3182 *Quercus engelmannii* Arcadia .. 12/6/31

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Continued in Book D p. 65

- 7 F 1 *Fissidens incurvus* (Schwaegr.)
 2 *Scleropodium illecebrum* (L.) B. & S.
 7 3 *Grimmia pulvinata* (L.) Sm.
 7 4 *Funaria microstoma* Bry. eur.
 7 5 *Tortula princeps* A. Not.
 7 6 *Anacolia Menziesii* (Turn.) Par.
 7 7 *Anacolia Menziesii* (Turn.) Par.
 7 8 *Camptothecium arenarium* (Lesq.) J. & S.
 7 9 *Orthotrichum Lyellii* Hook. & Tayl.
 7 10 *Dendroaesia* ^{abietina} (Hook) E. G. Britt.
 7 11 *Tortula ruralis* (L.) Ehrh.
 7 12 *Amblytegium serpens* (L.) B. & S.
 7 13 *Orthotrichum cylindrocarpum* Lesq.
 7 14 *Tortula ruralis* (L.) Ehrh.
 7 15 *Barbula vinealis* Brid.
 7 16 *Grimmia californica* Sull.
 7 17 *Fissidens incurvus* Starke
 7 18 *Brachythecium petrophilum* R. S. Williams
 7 19 *Bryum torquescens* Bry. eur.
 7 20 *Tortula subulata* Hedw.
 7 21 *Orthotrichum Lyellii* Hook. & Tayl.
 7 22 *Bryum affine* (Bruch.) Lindb.
 7 23 *Philonotis fontana* (L.) Brid.
 7 24 *Pottia Fosbergii* Bart. Sp. nov. (holotype)
 7 26 ~~25~~ *Bryum argenteum* L.
 7 25 ~~26~~ *Barbula*
 7 27 *Barbula vinealis* Brid.
 7 28 *Tortula montana* (Nees.) Lindb.
 7 29 *Bartramia stricta* Brid.
 7 30 *Scleropodium apocladium* (Mitt.) Grout
 7 31 *Anacolia Menziesii* (Turn.) Par.
 7 32 *Scleropodium illecebrum* (L.) B. & S.
 7 33 *Barbula vinealis* Brid.
 7 34 *Cladopodium leuconeurum* (S. & L.) R. & C.

- 1/29/28 Indian Hill, Claremont Los Angeles Co.
 2/22/28 Cobles Canyon " "
 3 " " " "
 " " " " "
 " " " " "
 " Thompson's Cr. Dam " "
 " Cobles Canyon " "
 " " " " "
 1/15/28 Cedar Pines Park — San Bernardino Co.
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 11/15/27 Coronado Beach — San Diego Co.
 3/6/28 San Dimas (Puddingstone Can.) Los Angeles Co.
 " Puddingstone Can. San Dimas "
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 3/14/28 La Puente Hills, Pomona "
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 4/29/28 Cushionberry Spr. — San Bernardino Co.
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 3/15/28 Indian Hill Claremont Los Angeles Co.
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 4/15/28 La Puente Hills Pomona "
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 3/10/28 Cobles Can. Claremont "
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- 7 F 35 *Camptothecium Amerisae* R. & C.
 7 36 *Tortula princeps*
 7 37 *Tortula montana*
 7 38 *Grimmia pulvinata*
 7 39 *Tortula montana*
 7 40 *Orthotrichum rupestre*
 7 41 *Grimmia Californica* Sull.
 7 42 *Scleropodium illecebrum*
 7 43 *Bryum pendulum*
 7 44 *Mniobryum albicans*
 7 45
 7 46 *Webera*
 7 47
 7 48 *Barbula brachyphylla* Sull.?
 7 49 *Platyhypnidium rusciforme*
 7 50 *Mercuria latifolia*
 7 51 *Platyhypnidium rusciforme*
 7 52 *Webera*
 73 53
 73 54 *Bryum capillare* L.
 73 55 *Tortula princeps*
 73 56 *Weisia*
 73 57 *Scleropodium illecebrum*
 73 58
 7 59 *Anacolia Menziesii*
 7 60 *Tortula montana*
 7 61 *Barbula rigidula*
 7 62 *Anacolia Menziesii*
 7 63 *Grimmia Californica*
 7 64
 7 65 *Antitrichia californica*
 7 66 *Funaria hygrometrica*
 7 67 *Grimmia montana*
 7 68

- 3/10/28 Cobles Can. Claremont Los Angeles Co.
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 11/4/28 " " " "
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 5/12/28 Bluff Lake, San Bernardino Mts. San Bernardino Co.
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 3/30/29 Upper Andreas Can. Palm Springs Riverside Co.
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 2/22/29 Gypsum Can. Santa Ana Mts. Corona, " "
 3/30/29 Upper Andreas Can. Palm Springs " "
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 2/22/29 Gypsum Can. Santa Ana Mts. Corona " "
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 12/27/28 12 mi. e. Victorville, Granite Mts. San Bernardino Co.
 " " " " " "
 4/16/29 San Antonio Can. — Los Angeles Co.
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 " " " " " "
 12/27/28 12 mi. e. Victorville, Granite Mts. San Bernardino Co.
 12/29/28 Pine Knot, Bear Valley, San Bernardino Co.
 " " " " " "

- 7 F 69 *Camptothecium pinvatifidum*
 70 *Orthotrichum anomalum*
 71 71 *Amblyptegium serpens*
 71 72 *Orthotrichum anomalum*
 73 " *rupestre*
 71 74 *Tortula inermis*
 71 75 " "
 71 76 *Didymodon tophaceus*
 72 77 *Barbula vinealis*
 71 78 *Funaria mediterranea*
 79 *Barbula vinealis*
 7 80 *Didymodon tophaceus*
 7 81 *Scleropodium caespitosum*
 7 82 *Barbula vinealis*
 7 83 *Anacolia Menziesii*
 7 84 *Camptothecium arenarium*
 71 85 *Barbula vinealis*
 73 86 *Orthotrichum*
 73 87 *Bryum capillare*
 73 88 *Barbula vinealis*
 73 89 *Camptothecium arenarium*
 73 90 *Barbula convoluta*
 73 91 *Tortula*
 73 92 " *aurea*
 71 93 " "
 71 94 *Anacolia Menziesii*
 7 95 *Barbula vinealis*
 71 96 *Bryum*
 71 97 " *Muhlenbeckii*
 71 98 *Anacolia Menziesii*
 71 99 *Barbula vinealis*
 71 F 100 *Webbia*
 1 *Camptothecium arenarium*
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- 12/29/28 Pine Knot, Bear Valley, San Bernardino Co.
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 12/27/28 12 mi. e. Victorville, Granite Mts. "
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 4/17/29 Hamilton's Can. Santa Catalina I. Los Angeles Co.
 4/7/29 " " " "
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 4/6/29 Avalon Can. " "
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 4/7/29 Hamilton's Can. " "
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 4/6/29 Avalon Can. " "
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 3/26/29 Pelican Bay, Eaton's Camp, Santa Cruz I. Santa Barbara Co.
 3/10/29 Palm Springs Riverside Co.
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 3/9/29 Puddington Can. San Dimas, Los Angeles Co.
 " " " "
 2/23/29 Keys Ranch — San Bernardino Co.
 " " " "
 4/6/29 Avalon Can. Santa Catalina I. Los Angeles Co.
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 2/26/29 Quail Springs — San Bernardino Co.
 4/6/29 Avalon Can. Santa Catalina I. Los Angeles Co.

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|----|-------|---------------------------|
| | F 163 | Bryum |
| 7 | 4 | Scleropodium colpophyllum |
| 7 | 5 | Funaria mediterranea |
| 71 | 6 | Barbula vinealis |
| 71 | 7 | Tortula inermis |
| 71 | 8 | Scleropodium illecebrum |
| 71 | 9 | " " |
| 71 | 10 | Timmia flexiset |
| 72 | 11 | Camptothecium arenarium |
| 71 | 12 | Scleropodium illecebrum |
| | 13 | Camptothecium aeneum |
| 7 | 14 | Orthotrichum rupestre |
| | 15 | " anomalum |
| 7 | 16 | Grimmia montana |
| 7 | 17 | Scleropodium illecebrum |
| 7 | 18 | Funaria hygrometrica |
| 73 | 19 | Grimmia californica |
| | 20 | " leucophaea |
| 73 | 21 | Tortula ruralis |
| 73 | 22 | Grimmia pulvinata |
| 73 | 23 | Fissidens limbat |
| 73 | 24 | Tortula ruralis |
| 73 | 25 | Anacolia Menziesii |
| 73 | 26 | Camptothecium arenarium |
| 71 | 27 | Bartramia stricta |
| | 28 | Camptothecium arenarium |
| 71 | 29 | Didymodon tophaceus |
| 71 | 30 | Scleropodium obtusifolium |
| 71 | 31 | Tortula muralis |
| 71 | 32 | Bryum capillare |
| 71 | 33 | Tortula muralis |
| 71 | 34 | Bryum torquescens |
| | 35 | Bryum argenteum |
| | 36 | Amblytegium orthocladon |

- 7 E 137 *Barbula vinealis*
 38 " "
 7 39 *Tortula ruralis*
 71 40 *Eurhynchium*
 71 41 *Barbula vinealis*
 71 42 *Funaria hygrometrica*
 71 43 *Bryum argenteum*
 71 44 *Tortula muralis*
 72 45 "
 72 46 *Barbula*
 47 *Camptothecium arenarium*
 7 48 *Tortula ruralis*
 7 49 *Barbula*
 50 *Webera annotina*
 7 51 *Brachythecium petrophileum*
 7 52 *Grimmia leucophaea*
 73 53 *Merceya latifolia*
 73 54 *Bryum Muhlenbeckii*
 73 55 *Hymenostomum tortile*
 73 56 *Leptobryum pyriforme*
 73 57 *Funaria hygrometrica*
 73 58 *Tortula ruralis*
 73 60 ~~57~~ *Merceya latifolia*
 73 59 ~~58~~
 71 61 *Didymodon*
 62 *Webera annotina*
 71 63 *Funaria deputata*
 71 64 " *hygrometrica*
 71 65 " "
 71 66 *Webera annotina*
 71 67 *Tripterocladium Brewerianum*
 71 68 *Grimmia californica*
 69 *Camptothecium arenarium*
 70 *Anacolia Menziesii*

- 3/16/29 Crafton Hills Redlands San Bernardino Co.
 " Sankey River " "
 " San Timates Can. " "
 " Sankey River " "
 " San Timates Can. " "
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 5/4/29 Palm Can. Borego Valley San Diego Co.
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 5/13/29 Key Ranch — San Bernardino Co.
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 5/4/29 Palm Can. Borego Valley San Diego Co.
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 5/12/29 Key Ranch — San Bernardino Co.
 5/4/29 Palm Can. Borego Valley San Diego Co.
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 5/12/29 Key Ranch — San Bernardino Co.
 5/4/29 Palm Can. Borego Valley San Diego Co.
 5/3/29 Temecula R. a. Island Route Bridge Temecula River side
 " " " "
 5/12/29 Key Ranch — San Bernardino Co.
 4/8/29 San Fernando Los Angeles Co.
 " (?) Tehachapi Pass Kern Co.
 5/4/29 Palm Canyon Borego Valley San Diego Co.
 3/24/29 1 mi. e. Pelican Bay Santa Cruz. Santa Barbara Co.
 " " " "
 " Ind Can. e. " " "
 " " " "

- 7 ~~E 171~~ *Bryum Muhlhenbeckii*
 7 12 *Funaria hygrometrica*
 7 74 ~~73~~ *Scleropodium illecebrum*
 7 73 ~~74~~
 7 75 *Funaria hygrometrica*
 7 76 *Amblystegium riparium*
 7 77 *Fissidens limbatus*
 7 78 *Barbula vinealis*
 7 79 *Bryum torquescens*
 7 80 *Orthotrichum Lipellii*
 81 *Tortula ruralis*
 7 83 ~~84~~ "
 7 84 ~~85~~ *Brachythecium*
 7 85 ~~86~~ *Tortula sinensis*
 7 82 ~~87~~
 7 86 *Grimmia californica*
 7 87 *Tortula ruralis*
 7 88 *Barbula vinealis*
 73 89 *Camptothecium arenarium*
 73 90 " *pinnatifidum*
 73 91 *Tortula ruralis*
 73 92 "
 73 93 *Anacolia Menziesii*
 73 94 "
 7 95 *Camptothecium*
 7 96 *Anacolia Menziesii*
 7 97 *Isothecium stoloniferum*
 7 98 *Grimmia californica*
 7 99 *Scleropodium obtusifolium*
 7 ~~E 200~~ *Cladopodium whippleanum*
 7 1 *Scleropodium illecebrum*
 7 2 *Isothecium stoloniferum*
 3 *Fissidens limbatus*
 4 *Grimmia leucophaea*

- 3/24/29 2nd Can. e. Pelican Bay, Santa Cruz I. S. Barbara Co.
 5/23/29 Upper Laguna Lake, Laguna Lake, Orange Co.
 3/24/29 4th Can. e. Pelican Bay, Santa Cruz I. Santa Barbara Co.
 3/23/29 " " "
 5/5/29 3 mi. below Julian, Coleman Creek, San Diego Co.
 4/6/29 Avalon Can., Santa Catalina I., Los Angeles Co.
 " " "
 4/7/29 Hamilton's Can. " "
 5/5/29 Julian " San Diego Co.
 " " "
 " " "
 5/4/29 Palm Canyon, Borego Valley "
 3/23/29 Pelican Bay, Santa Cruz I. Santa Barbara Co.
 3/23/29 Pelican Bay, Santa Cruz I. Santa Barbara Co.
 " " "
 3/24/29 " " "
 3/25/29 near " " "
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 " " "
 " Cliffs w. " "
 " Hills w. " "
 " " "
 3/24/29 1 mi. e. " "
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 " 6th Can. e. " "
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 " " "
 3/25 Cliffs w. " "

- 7 F205 *Pterogonium ornithopodioides*
 7 6 *Grimmia*
 7 7 *Camptothecium arenarium*
 71 8 *Bestia longipes*
 71 9 *Scleropodium illecebrum*
 71 10 " *apocladum*
 71 11 " *obtusifolium*
 71 12
 72 13
 71 14
 71 15
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 71 22
 73 23
 73 24 *Scleropodium apocladum*
 73 25 *Funaria hypometrica*
 73 26 *Brachythecium asperium*
 73 27 *Ridgwayia tophaceus*
 73 28 *Tortula montana*
 71 29 " *ruralis*
 30 *Orthotrichum cylindrocarpum*
 7 31 *Funaria convoluta*
 71 32 *Gymmia pulvinata*
 71 33 *Acididium verticillatum*
 71 34 *Camptothecium Amesiae*
 71 35 *Tortula ruralis*
 71 36 " *montana*
 37 *Funaria dentata*
 38 *Grimmia*

- 3/24/29 1/2 mi. e. Pelican Bay, Santa Cruz I. Santa Barbara Co.
 " " " " "
 " " " " "
 3/25/29 Hills w. " " "
 " " " " "
 3/24/29 — e. " " "
 3/25/29 Hills w. " " "
 4/12/29 Las Cruces — — "
 " " — — "
 10/11/29 San Antonio Can. Claremont L. A. Co.
 3/2/29 San Dimas (Puddingstone Can.) "
 5/11/29 Stoddards Can. Claremont "
 11/12/29 10 mi. S.W. Indio, Deep Canyon Riverside Co.
 3/2/29 Puddingstone Can. San Dimas L. A. Co.
 11/12/29 10 mi. S.W. Indio, Deep Canyon Riverside Co.
 4/2/29 Fish Canyon, San Gabriel Mts, Azusa L. A. Co.
 " " " " "
 5/11/29 Stoddard Can. Claremont — "
 " " " " "
 3/2/29 Puddingstone Can. San Dimas "
 3/26/29 Eaton's Camp, Pelican Bay, Santa Cruz I. S. Barbara Co.
 5/11/29 Stoddards Can. Claremont L. A. Co.
 11/12/29 10 mi. W. Indio, Deep Canyon, Riverside Co.
 3/2/29 Puddingstone Can. San Dimas, Los Angeles Co.
 10/11/29 Evey Can. Claremont "
 " " " " "
 3/17/29 San Dimas Can. Dam. San Gabriel Mts. "
 2/22/29 Morongo Valley Inn San Bernardino Co.
 5/11/29 Stoddards' Can. Claremont L. A. Co.
 4/2/29 Fish Can. San Gabriel Mts. Azusa "
 " " " " "
 1/5/29 Dead Man's Point, Mojave Desert, Victorville S. Bernardino Co.
 " " " " "
 " " " " "

- 7 **E289** *Funaria hygrometrica*
 7 40 *Scleropodium caespitosum*
 7 41 *Tortula Bolanderi*
 71 42 *Timmia flexisetä*
 71 43 *Bryum*
 71 44 *Polytrichum juniperinum*
 71 45 *Fabronia octoblepharis*
 72 46 *Scleropodium illecebrum*
 73 47 *Anacolia Menziesii*
 73 48 *Camptothecium aeneum*
 7 49 *Orthotrichum Lyellii*
 7 50 *Camptothecium aeneum*
 7 51 *Grimmia montana*
 7 52 *Orthotrichum rufescent*
 7 53 *Brachythecium petrophilum*
 7 54 *Tortula ruralis*
 73 55 "
 73 56 *Barbula brachyphylla*
 73 57 *Bryum pseudo-triquetrum*
 73 58 "
 73 60 ~~59~~ *Philonotis fontana*
 73 59 60
 73 61 *Coscinodon Wrightii*
 73 62 *Eucadium*
 71 63
 71 64
 71 65
 71 66
 71 67 *Anacolia Menziesii*
 71 68
 71 69 *Funaria*
 71 70
 71 71
 72 72

- 3/9/29 Balboa Bay Orange Co.
 3/2/29 Puddingstone Can. San Dimas S.F. Co.
 " " " "
 4/2/29 Fish Can. San Gabriel Mts. Azusa "
 9/6/29 Mt. San Geronimo — San Bernardino Co.
 " " " "
 4/12/29 Santa Susana Paso Ventura Co.
 " " " "
 " " " "
 9/7/29 Mill Creek Can. San Bernardino Co.
 " " " "
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 12/11/29 Northhill, Riverside, Riverside Co.
 9/6/29 1 mi. below Dry Lake, Mt. San Geronimo, San Bernardino Co.
 " " " " "
 " " " " "
 " " " " "
 11/11/29 28 mi. e. Mecca, Colorado Desert Riverside Co.
 12/17/29 Evey Can. Claremont. Los Angeles Co.
 3/12/30 Glen Ivy, Riverside Co. Cal.
 " " " " "
 " " " " "
 3/12/30 Glen Ivy Can. Santa Ana Mts. Riverside Co.
 " " " " "
 " " " " "
 Apr. 1928 Hole in Rock Spr. Funeral Mts. Inyo Co. Calif.
 Apr. 1928 Hole in Rock Spr. Funeral Mts. Inyo Co. Calif.
 3/12/30 Glen Ivy, Riverside Co. Calif.
 3/12/30 Glen Ivy, Riverside Co. Calif.

F273

Funaria

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E300

12/18/27 Lopez Ranch Baja Calif.

Mex.

12/19/27 Can. 2-3 mi. s. of Lopez R. Baja Calif.

12/17/27 10 mi. s. of Johnson's Ranch, Baja Calif.

Mex.

12/17/27 n. side Punta Banda Baja Calif.

Mex.

12/17/27 "

12/18/27 San Antonio Can. above Johnson's R. Baja Calif.

12/18/27 San Antonio Can. above Johnson's R. Baja Cal. Mex.

12/19/27 San Antonio Can. above Johnson's Ranch, Baja Calif. Mex.

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~~4 Anthracoceros~~

California

3/25/29 1 mi. w. Pelican Bay, Santa Cruz I. Santa Barbara Co.

3/25/29 1 mi. w. Pelican Bay, Santa Cruz I. Santa Barbara Co.

~~4/6/29 Avalon Can. Santa Catalina I., Los Angeles Co.~~

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- R
- 1 *Dryopteris arguta*
 - 2 *Polypodium vulgare*
 - 3 *Chilanthus californica*
 - 4 *Pityrogramma triangularis*
 - 5 *Notholaena Parryi*
 - 6 *Adiantum Jordani*
 - 7 *Notholaena Parryi*
 - 8 *Polypodium vulgare* var. *Kaulfussii*
 - 9 *Pityrogramma triangularis* v. *viscosa*
 - 10 *Adiantum Jordani*
 - 11 *Polypodium vulgare* var. *intermedium*
 - 12 *Selaginella Bigelovii*
 - 13 *Equisetum*
 - 14 *Pellaea mucronata*
 - 15 *Selaginella eremophila*
 - 16 *Selaginella Bigelovii*
 - 17 *Notholaena Parryi*
 - 18 *Pityrogramma triangularis* v. *maponi*
 - 19 ~~discarded~~ *Selaginella Bigelovii*
 - 20 *Pellaea mucronata*
 - 21 *Adiantum Jordani*
 - 22 *Adiantum Jordani*
 - 23 *Pityrogramma triangularis* v. *viscosa*
 - 24 *Adiantum Jordani*
 - 25 *Pityrogramma triangularis*
 - 26 *Adiantum capillus-veneris*
 - 27 *Pityrogramma triangularis* v. *viscosa*
 - 28 *Polypodium vulgare* v. *intermedium*
 - 29 *Asplenium*
 - 30 *Selaginella eremophila*
 - 31 *Adiantum Jordani*
 - 32 *Pellaea mucronata*
 - 33 *Pityrogramma triangularis*
 - 34 *Pellaea andromedaeifolia*

- 3/11/28 Claremont, Cobles Can. L.A. Co.
2/22/28 " " " "
" " " "
3/18/27 Thousand Palms Can. Riverside
2/22/28 Claremont, Cobles Can. L.A.
4/11/28 Hole in Rock Spr. Inyo
3/25/29 1 mi. w. Eatonz, Santa Cruz I. Santa Barb. Co.
3/23/29 near " " "
" " " "
3/24/29 " " " "
4/7/30 Hayards Harbor " "
4/21/28 Camp Cajon, San Bernardino Co.
May 1928 Etiwanda " "
3/30/29 Palm Springs, Andreas Canyon, San Jacinto Mts. Riv. Co.
" " " " " "
" " " " " "
4/3/29 Avalon - Pebbly Beach Rd. Sta Catalina I. L.A. Co.
3/20/29 Palm Spg. Andreas Can. San Jacinto Mt. Riv.
" " " " " "
" " " " " "
4/6/29 Avalon Can. Santa Catalina Is. Sta Barbara
" " " " " "
4/7/29 Hamilton's Can. " "
" " " " " "
" " " " " "
4/9/29 San Luis Rey R. 9 mi. above Oak Grove San Diego
" Borrego V. Palm Can. mouth " "
5/4/29 " " " " " "
5/5/29 Hills above La Jolla Ind. Res. " "
" " " " " "
" San Felipe River Above Banner

- R 69 *Notholaena Parryi*
 70 *Cheilanthes Covillei*
 71 *Notholaena Parryi*
 72 *Notholaena Parryi*
 73 *Selaginella eremophila*
 74 *Cheilanthes Covillei*
 75 *Adiantum capillis-veneris*
 76 *Polypodium vulgare* v. *Kaulfussii*
 77 *Cheilanthes Clevelandii*
 78 *Cheilanthes Clevelandii*
 79 *Cheilanthes californica*
 80 *Adiantum pedatum*
 81 *Woodwardia Chamissoi*
 82 *Pellaea andromedaefolia*
 83 *Pityrogramma triangularis* v. *vesicosa*
 84 *Adiantum Jordani*
 85 *Adiantum Jordani*
 86 *Polypodium californicum* v. *Kaulfussii*
 87 *Pellaea andromedaefolia*
 88 *Selaginella Bigelovii*
 89 *Pteridium aquilinum* v. *pubescens*
 90
 91 *Dryopteris arguta*
 92
 93 *Woodwardia Chamissoi*
 94 *Cheilanthes Covillei*
 95 *Polystichum mesmitum* v. *imbricans*
 96 *Pteridium aquilinum* v. *pubescens*
 97 *Dryopteris arguta*
 98
 99
 100
 1 *Cheilanthes covillei*
 2 *Cheilanthes viscida*

3/9/30 Mission Canyon

Riverside Co.

Santa Catalina Is. L.G. Co.
4/15/31Eagle's Nest, Middle Ranch Can.
R 89 *Equisetum cruenis*R 90 *Equisetum Funstoni*
Same as aboveR 83 *Equisetum*R 84 *Pellaea mucronata* div. bet. Hamilton & Descanso Can. S.C. 9. 106R 85 *Dryopteris arguta*R 86 *Pellaea andromedaefolia*R 87 *Selaginella Bigelovii* Eagle's Nest 4/24/31R 88 *Adiantum capillis-veneris* Hamilton Can. 4/24/31R 89 *"* 2nd. bridge below Eagle's Nest 4/24/31R 90 *Pellaea mucronata* Hamilton Can. 3/27/31R 91 *Pellaea andromedaefolia* 4/11/31R 92 *Selaginella Bigelovii* 3/24/31R 93 *Polypodium vulgare* v. *intermedium*

Riverside Co.

San Bern Co.

San Bern Co.

Alameda Co.

San Bern Co.

5/12/30

Granite Mts.

San Bern. Co.

R. 89 *Equisetum cirvensis*

Eagle's Nest, Middle Ranch Can. Santa Catalina Is. L.A. Co.

R 90 *Equisetum Funstoni*
Same as above

4/15/31

~~R. 83 *Equisetum*~~

R 84 *Pellaea mucronata* dis. bet. Hamilton + Descanso Can. S.C. I. L.A. Co. 4/2/31

R 85 *Dryopteris arguta*

" Can. 4/2/31 " "

R 86 *Pellaea andromedifolia* " " " " " "

R 93 *Helaginella bigelovii* Eagle's Nest 4/22/31 " "

R 94 *Adiantum capillis-veneris* Hamilton Can. 4/24/31 " "

R 95 " " " " 2nd. bridge below Eagle's Nest 4/4/31 " "

R 82 *Pellaea mucronata* Hamilton Can. 3/27/31 " "

R 83 *Pellaea andromedifolia* " 4/1/31 " "

R 81 *Helaginella bigelovii* " 3/24/31 " "

R 80 *Polypodium vulgare* v. *intermedium* " " " "

- R56 *Notholaena cinnata* var. *integerrima*
Pyramid Peak Range, E. extremity, base near Cankling's Cavern.
Dona Ana Co. 7/20/1930
- R63 *Equisetum hyemale* var. *robustum*
2 mi. N. San Miguel, Dona Ana Co. 9/1/30
- R64 *Notholaena Hookeri*
Pinto Blanco, S. end, Organ Mts. N. slope, Dona Ana Co. 9/1/30
- R65 ~~*Phlebodium*~~ *myrsophylla*
Pyramid Peak, S. Wall of Can. Dona Ana Co. 8/21/30
- R76 *Pityrogramma triangulare*
Hamilton Can. Santa Catalina Is. L. A. Co. 3/20/31
- R77 *Pityrogramma triangulare* var. *versicolor*
same as above
- R79 *Adiantum emarginatum*
same as above
- R87 *Polypodium vulgare* var. *intermedium*
Pinto Blanco Can. N. fork, Santa Catalina Is. L. A. Co. 4/13/31

- R 69 *Notholaena Parryi*
 70 *Cheilanthes Covillei*
 71 *Notholaena Parryi*
 72 *Notholaena Parryi*
 73 *Selaginella eremophila*
 74 *Cheilanthes Covillei*
 75 *Adiantum capillis-veneris*
 76 *Polypodium vulgare* v. *Kaulfussii*
 77 *Cheilanthes Clevelandii*
 78 *Cheilanthes Clevelandii*
 79 *Cheilanthes californica*
 80 *Adiantum pedatum*
 81 *Woodwardia Chamissoi*
 82 *Pellaea andromedaefolia*
 83 *Pityrogramma triangularis* v. *viscosa*
 84 *Adiantum Jordani*
 85 *Adiantum Jordani*
 86 *Polypodium californicum* v. *Kaulfussii*
 87 *Pellaea andromedaefolia*
 88 *Selaginella Bigelovii*
 89 *Pteridium aquilinum* v. *pubescens*
 90
 91 *Dryopteris arguta*
 92
 93 *Woodwardia Chamissoi*
 94 *Cheilanthes Covillei*
 95 *Polystichum mesmitum* v. *imbricans*
 96 *Pteridium aquilinum* v. *pubescens*
 97 *Dryopteris arguta*
 98
 99
 100
 1 *Cheilanthes covillei*
 2 *Cheilanthes viscida*

Calif. Ariz.

3/9/30 Mission Canyon

Riverside Co.

- " " " " " "
 " " " " " "
 11/9/29 near Lookout Post Mt. Superior, Pinal Co. Ariz.
 3/31/30 Hills at upper end of Maricao V. Riverside Co.
 3/30/31 Twenty Nine Palms San Bernardino Co.
 4/7/30 Santa Cruz I. Hazard's H. Santa Barbara
 4/8/30 Santa Rosa I. " " "
 4/8/30 Santa Rosa I. Torrey Pines Sta. Barbara
 4/11/30 Santa Cruz I. Lady's H. " " "
 " " " " " "
 4/7/30 " " " Hazard's H. " " "
 " " " " " "
 " " " " " "
 " " " " " "
 2/6/30 Camp Comfort Ojai Ventura
 4/8/30 Santa Rosa I. Sta. Barbara
 4/9/30 " " " " " "
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 4/2/30 Santa Ana Mts above Elsinore Riverside Co.
 4/30/30 Can. above Keys Ranch San Bern Co.
 10/7/29 Mill Creek Canyon San Bern Co.
 6/29/29 Dublin Can. Alameda Co.
 4/30/30 Can. above Keys Ranch San Bern Co.
 5/12/30 Granite Mts. San Bern. Co.

- R103 *Polystichum munitum* v. *imbricans*
 4 *Pellaea mucronata* v. *californica*
 5 *Cheilanthes viscida*
 6 *Pityrogramma triangularis* v. *mexoni*
 7 *Cheilanthes Covillei*
 8 *Pellaea mucronata*
 9 *Polypodium vulgare* v. *intermedium*
 10 *Dryopteris arguta*
 11 *Pityrogramma triangularis*
 12 *Adiantum Jordani*
 13 *Selaginella asprella*
 14 *Pellaea mucronata* v. *californica*
 15
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 21 *Pellaea andromedaefolia*
 22 *Equisetum laevigatum*
 23 *Pellaea longimucronata*
 24 *Pityrogramma triangularis*
 25 *Selaginella asprella*
 26 *Natholaena Parryi*
 127 *Equisetum laevigatum*
 128 *Pellaea mucronata*
 129 *Equisetum*
 130 *Dryopteris arguta*
 131 *Pellaea mucronata*
 132 *Cheilanthes Covillei*
 133 *Woodwardia Chamissoi*
 134 *Equisetum maximum*
 135 *Pityrogramma triangularis*
 136 *Woodwardia Chamissoi*

5/21/30 Head of Waterman Canyon San Bern. Co.

R112 *Adiantum capillis-veneris* 7/13/31 Hamilton Can. Sta. Cal. S. L.A. Co.

12/21/29 Upper Trabuco Can. Santa Ana Mts. Orange Co.

R₁₁₂ *Adiantum capillis-veneris* 7/3/31 Hamilton Can. Sta. Cal. I. L. A. Co.

- R103 *Polystichum munitum* v. *imbricans*
 4 *Pellaea mucronata* v. *californica*
 5 *Cheilanthes viscida*
 6 *Pityrogramma triangularis* v. *maxoni*
 7 *Cheilanthes Covillei*
 7 *Pellaea mucronata*
 8 ~~*Pellaea mucronata*~~ discarded
 9 *Polypodium vulgare* v. *intermedium*
 10 *Dryopteris arguta*
 11 *Pityrogramma triangularis*
 12 *Adiantum Jordani*
 13 *Selaginella asprella*
 14 *Pellaea mucronata* v. *californica*
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 21 *Pellaea andromedaefolia*
 22 *Equisetum laevigatum*
 23 *Pellaea longimucronata*
 24 *Pityrogramma triangularis*
 25 *Selaginella asprella*
 26 *Natholaena Parryi*
 127 *Equisetum laevigatum*
 128 *Pellaea mucronata*
 129 *Equisetum*
 130 *Dryopteris arguta*
 131 *Pellaea mucronata*
 132 *Cheilanthes Covillei*
 133 *Woodwardia Chamissoi*
 134 *Equisetum maximum*
 135 *Pityrogramma triangularis*
 136 *Woodwardia Chamissoi*

- 5/2/30 Head of Waterman Canyon San Bern. Co.
 " Deep Cr. about halfway down on Toll Rd " " "
 6/1/30 Granite Mts. 17 mi. e. Victorville, San Bern. Co.
 5/30/30 " " " " " " "
 6/15/30 Same as R109 below
 6/15/30 Santiago C. near Modjesko's Home Santa Ana Mts, Orange Co.
 " " " " " " "
 " " " " " " "
 8/13/31 Islip Trail, near Hawkins Islip divide, L.A. Co.
 " " s. slope Mt. Hawkins " " "
 9/15/31 South Coronado Island Baja Calif. Mex.
 5/22/30 Near Prado, Santa Ana R. Bridge Riverside Co.
 11/9/29 Superior Pinal Co. Ariz.
 5/12/29 Granite Mts San Bern Co.
 10/6/29 near summit San Jacinto Pk. San Bern Mts. " " "
 3/30/30 Twenty-nine Palms. S.B. Co.
 7/4/29 Knights Ferry " " "
 May 1928 near Lake Arrowhead, San Bernardino Mts. S.B. Co.
 4/6/30 Camp Comfort, Ojai, Ventura Co.
 May 1928 San Antonio Can. San Gabriel Mts. L.A. Co.
 " " " " " " "
 5/11/29 Stoddards Can. " " "
 " " " " " " "
 " " " " " " "
 12/21/29 Upper Trabuco Can. Santa Ana Mts. Orange Co.

T

- 1 *Pelagophyceus porra*
- 2 *Corallina*
- 3 *Jania*
- 4 *Nitophyllum*
- 5 *Zonaria Farlowii*
- 6 *Gigartina horrida*
- 7 *Laurencia spectabilis*
- 8 *Bryopsis corticulans*
- 9 *Sargassum Palmeri*
- 10 *Chara*
- 11 *Gigartina*
- 12 *Amphiroa*
- 13 *Plocamium violaceum*
- 14 *Lithothrix aspergillum*
- 15 *Gelidium cartilaginum*
- 16 *Amphiroa*
- 17 *Amphiroa*
- 18 *Amphiroa*
- 19 *Amphiroa*
- 20 *Corallina*
- 21 *Corallina*
- 22 *Corallina*
- 23 *Polyopes Snyderiae*
- 24 *Corallina*
- 25 *Endocladia muricata*
- 26 *Gigartina canaliculata*
- 27 *Gelidium*
- 28 *Corallina*
- 29 *Sargassum Agardhianum*
- 30 *Laurentia subapocrita*
- 31 *Codium mucronatum*
- 32 *Halidrys dioica*
- 33 *Gelidium coulteri*
- 34 *Leptosiphon cornutus*

710% *Cladophora*
Laguna Beach, Orange Co., Cal.

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| 7/23/28 | Laguna Beach, Orange Co., Cal. | |
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| 3/30/29 | Palm Springs, Andreas Canyon | Riverside Co. |
| 7/28/28 | Laguna Beach, Orange Co. | Cal |
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- T 35 *Pterosiphonia*
 36 *Cladophora trichotoma*
 37 *Petrospongium rugosum*
 38 *Hapaterophycus canaliculatus*
 39 *Hesperophycus Harveyanus*
 40 *Gigartina*
 41 *Ulva dactylifera*
 42 *Gelidium Coulteri*
 43 *Amphiroa*
 44 *Prionitis*
 45 *Chondrus*
 46 *Chondrus*
 47 *Chondrus*
 48
 49 *Polysiphonia*
 50 *Plocamium violaceum*
 51 *Gigartina*
 52 *Colpomenia*
 53 *Dictyota*
 54 *Chondrus*
 55 *Chondrus*
 56 *Syrtosiphon lomentarius*
 57 *Egregia laevigata* (dredged, - 50 ft.)
 58
 59 *Egregia laevigata*
 60 ~~Ex~~
 61 *Eisenia arborea*
 62 *Gigartina horrida*
 63
 64 *Neurocarpus zonarioides*
 65 *Ricardia saccata*
 66 *Eisenia arborea*
 67 *Nitophyllum corallinum*
 68 *Gelidium*

T 65 1/2 Jania
 7/1/28 Laguna Beach, Orange Co. Cal.

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| 7/10/28 | Laguna Beach | Orange Co. | Cal. |
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| 7/17/28 | Laguna Beach, | Orange Co. | Cal. |
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7/03 ~~discovered~~ Nostoc

4 Chara

5 Chara

6 Nitella

7

8

9

10

11

12 Macrocyptis pyrifera

13 Chara

14 Chara

7/16 Chara

15 Chara Macrocyptis pyrifera

17

18 Amphiroa

19 Corallina

20 Corallina

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5/4/29 Lantenac Can.

San Diego Co.

7/4/29 Knight's Ferry

Stanislaus Co.

5/5/29 Banner

San Diego Co.

5/23/29 Laguna Palms, Laguna Can.

Orange Co.

5/4/29 Palm Can., Borego V.

San Diego Co.

6/8/29 Laguna Beach

Orange Co.

5/3/29 Temecula,

Riverside Co.

5/4/29 Lantenac Can.

San Diego Co.

4/14/29 Carneros Springs

Kern Co.

5/30/29 N. Coronado I., Baja Calif.

Mexico

4/7/30 Hazards Harbor, Santa Cruz I. Sta. Barb. Co.

4/7/30 Hazards Harbor, Santa Cruz I. Sta. Barb. Co.

4/7/30 Hazards Harbor, Santa Cruz I. Sta. Barb. Co.

T137

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37 *Eupiphe cichoracearum* DC.

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3/19/31 Hamilton Can. near Avalon Santa Catalina Is. L.Q. Co

T239

- 40 *Plocamium pacificum*
 41 *Gelidium pyramidale*
 42
 43 *Acrosorium uncinatum*
 44 *Egagropia laevigatum*
 45
 46 *Syctosiphon lomentarium*
 47
 48 *Pelvetia fastigiata* var. *gracilis*
 49 *Hesperophycus Harveyanus*
 50 *Puccinia malvacearum*
 51 *Puccinia cressae* (DC.) Lagerh. I
 52 *Puccinia clematidis*
 53 *Codium fragile*
 54 *Halidrys dioica*
 55 *Sphaerothera humilis*
 56 *Erysiophle cichoracearum*
 57
 58 *Cladophora*
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 67 *Liagora californica*
 68 *Sargassum agardhianum*
 69
 70 *Egagropia laevigata*
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T241a *Plocamium pacificum*
 4/1/31 Hamilton Beach, Sta. Cat. I.

- 4/1/31 Hamilton Can. near Avalon Sta. Cat. I. L.A.C.
 " " Beach " " " "
 " " Can. " " " "
 " " Beach " " " "
 " " " " " "
 4/7/31 Hamilton Beach, near Avalon, Santa Catalina Is. L.A.C.
 " " " " " "
 4/8/31 Chicken Johnies " " " "
 " Avalon " " " "
 4/9/31 Hamilton Canyon " " " "
 " " Beach " " " "
 " " Beach " " " "
 " " Can. " " " "
 4/10/31 Avalon " " " "
 4/12/31 Jewfish Point, " " " "
 7/10/31 Hamilton Beach " " " "
 5/10/31 Hamilton Beach " " " "
 5/11/31 " " " "

T273 *Puccinea cressae* (DC.) Lagerh. (det. Leob. Meser)74 *Zonaria farlowii*

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80 *Uromyces juncei*81 *Laurencia*

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87 *Nostoc*88 *Usnea*89 *Usnea*

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5/16/31

Little Harbor, Santa Catalina Island, Los Angeles Co., Cal.

5/17/31

7/10/31 Eagles Nest, Middle Ranch Can., S. Cal. I. L.A. Co.

7/16/31 Gallagher's Beach, Santa Catalina Is. S.G. Co.

Ojai

Ventura Co.

1 mi. e. of Eaton, Santa Cruz I. Sta. Barb. Co.
3/24/28 can. near ranch, Santa Cruz I. Sta. Barbara Co.

5/30/29 Santa Coronado I. Baja Calif., Mex.

